

Panasonic®

Operating Instructions 42"/46"/50" Class 1080p Plasma HDTV (41.6/46.0/49.9 inches measured diagonally)

Manual de instrucciones Televisión de alta definición de 1080p y clase 42"/46"/50" de Plasma (41,6/46,0/49,9 pulgadas medidas diagonalmente)

Model No. **TH-42PZ800U**
Número de modelo **TH-46PZ800U**
TH-50PZ800U

Quick Start Guide

(See page 6-15)

Guía de inicio rápido

(vea la página 6-15)



- For assistance (U.S.A.), please call:
1-888-VIEW-PTV (843-9788)
or visit us at www.panasonic.com/contactinfo
- For assistance (Puerto Rico), please call:
787-750-4300
or visit us at www.panasonic.com
- For assistance (Canada), please call:
1-866-330-0014
or visit us at www.vieraconcierge.ca
- Para solicitar ayuda (EE.UU.), llame al:
1-888-VIEW-PTV (843-9788)
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- Para solicitar ayuda (Puerto Rico), llame al:
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HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

HDTV

**SD
EG**

VIERA Link™

BBE®
High Definition Sound

BBE.ViVA
HD3D Sound

English

Please read these instructions before operating your set and retain them for future reference.
The images shown in this manual are for illustrative purposes only.

Español

Lea estas instrucciones antes de utilizar su televisor y guárdelas para consultarlas en el futuro.
Las imágenes mostradas en este manual tienen solamente fines ilustrativos.

TQB2AA0779

Turn your own living room into a movie theater!
 Experience an amazing level of multimedia excitement



 SDHC Logo is a trademark.	 GalleryPlayer and the GalleryPlayer Logo are trademarks of GalleryPlayer, Inc.	 VIERA Link™ is a trademark of Matsushita Electric Industrial Co., Ltd.
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Enjoy your TV!

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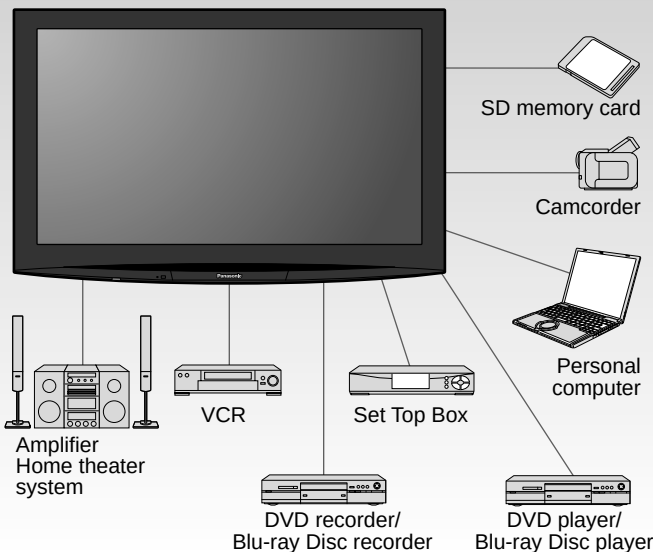
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Enjoy rich multimedia



HDAVI Control™

HDAVI Control™ is a trademark of Matsushita Electric Industrial Co., Ltd.



EZ Sync™

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Safety Precautions

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
WARNING: To reduce the risk of electric shock, do not remove cover or back. No user-serviceable parts inside. Refer servicing to qualified service personnel.		



The lightning flash with arrowhead within a triangle is intended to tell the user that parts inside the product are a risk of electric shock to persons.



The exclamation point within a triangle is intended to tell the user that important operating and servicing instructions are in the papers with the appliance.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. Do not place liquid containers (flower vase, cups, cosmetics, etc.) above the set (including on shelves above, etc.).

Important Safety Instructions

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments / accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart / apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) To prevent electric shock, ensure the grounding pin on the AC cord power plug is securely connected.



FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution:

To assure continued compliance, follow the attached installation instructions and use only shielded interface cables when connecting to computer or peripheral devices. Any changes or modifications not expressly approved by Panasonic Corp. of North America could void the user's authority to operate this device.

FCC Declaration of Conformity Model No. TH-42PZ800U, TH-46PZ800U, TH-50PZ800U

Responsible Party: Panasonic Corporation of North America
One Panasonic Way, Secaucus, NJ 07094
Contact Source: Panasonic Consumer Electronics Company
1-888-VIEW-PTV (843-9788)
email: consumerproducts@panasonic.com

CANADIAN NOTICE:

For Model TH-42PZ800U, TH-46PZ800U, TH-50PZ800U
This Class B digital apparatus complies with Canadian ICES-003.



WARNING

Small parts can present choking hazard if accidentally swallowed.

Keep small parts away from young children.

discard unneeded small parts and other objects, including packaging materials and plastic bags/sheets to prevent them from being played with by young children, creating the potential risk of suffocation.

■ Set up

Do not place the Plasma TV on sloped or unstable surfaces.

- The Plasma TV may fall off or tip over.

Do not place any objects on top of the Plasma TV.

- If water spills onto the Plasma TV or foreign objects get inside it, a short-circuit may occur which could result in fire or electric shock. If any foreign objects get inside the Plasma TV, please consult an Authorized Service Center.

This Plasma TV is for use only with the following optional accessories. Use with any other type of optional accessories may cause instability which could result in the possibility of injury. (All of the following accessories are manufactured by Matsushita Electric Industrial Co., Ltd.)

- Wall-hanging bracket (Vertical) TY-WK42PV4W
- Wall-hanging bracket (Angled) TY-WK42PR4W

Always be sure to ask a qualified technician to carry out set-up.

- Two or more people are required to install and remove the television. If two people are not present, the television may be dropped, and personal injury may result.

Transport only in upright position!

- Transporting the unit with its display panel facing upright or downward may cause damage to the internal circuitry.

■ AC Power Supply Cord

The Plasma TV is designed to operate on 120 V AC, 60 Hz. Securely insert the power cord plug as far as it will go.

- If the plug is not fully inserted, heat may be generated which could cause fire. If the plug is damaged or the wall socket plate is loose, they should not be used.

The included power cord is for use with this unit only.

Do not use any power cord other than that provided with this TV.

- Doing so may cause fire or electric shocks.

Do not handle the power cord plug with wet hands.

- Doing so may cause electric shocks.

Do not do anything that might damage the power cord. When disconnecting the power cord, hold the plug, not the cord.

- Do not make any modifications to, place heavy objects on, place near hot objects, heat, bend, twist or forcefully pull the power cord. Doing so may cause damage to the power cord which can cause fire or electric shock. If damage to the cord is suspected, have it repaired at an Authorized Service Center.

■ If problems occur during use

If a problem occurs (such as no picture or no sound), or if smoke or an abnormal odor is detected from the Plasma TV, unplug the power cord immediately.

- Continued use of the TV under these conditions might cause fire or permanent damage to the unit. Have the TV evaluated at an Authorized Service Center. Servicing of the TV by any unauthorized personnel is strongly discouraged due to its high voltage dangerous nature.

If water or foreign objects get inside the Plasma TV, if the Plasma TV is dropped, or if the cabinet becomes damaged, disconnect the power cord plug immediately.

- A short may occur, which could cause fire. Contact an Authorized Service Center for any repairs that need to be made.



CAUTION

Do not cover the ventilation holes.

- Doing so may cause the Plasma TV to overheat, which can cause fire or damage to the Plasma TV.

Leave a space of 3 15/16" (10 cm) or more at the top, left and right, and 2 3/4" (7 cm) or more at the rear.

When using the pedestal, keep the space between the bottom of the TV and the floor surface.

■ When using the Plasma TV

Be sure to disconnect all cables before moving the Plasma TV.

- Moving the TV with its cables attached might damage the cables which, in turn, can cause fire or electric shock.

Disconnect the power plug from the wall outlet as a safety precaution before carrying out any cleaning.

- Electric shocks can result if this is not done.

Clean the power cord plug regularly to prevent it from becoming dusty.

- Built-up dust on the power cord plug can increase humidity which might damage the insulation and cause fire. Unplug the cord from the wall outlet and clean it with a dry cloth.

This Plasma TV radiates infrared rays; therefore, it may affect other infrared communication equipment.

Install your infrared sensor in a place away from direct or reflected light from your Plasma TV.

Do not climb up onto the television or use it as a step.

(Young children should be made particularly aware of this caution.)

- If the unit falls over or becomes damaged through misuse, injury may result.

The TV will still consume some power as long as the power cord is inserted into the wall outlet.

Notes

■ Do not display a still picture for a long time

This causes the image to remain on the plasma screen ("Image retention"). This is not considered a malfunction and is not covered by the warranty.

Typical still images

- Channel number and other logos
- Image displayed in 4:3 mode
- SD Card photo
- Video game
- Computer image



To prevent "Image retention", the screen saver is automatically activated after a few minutes if no signals are sent or no operations are performed. (p. 51)

■ Set up

- Do not place the unit where it's exposed to sunlight or other bright light (including reflections).
- Use of some types of fluorescent lighting may reduce the remote control's transmission range.

Accessories/Optional Accessory

Accessories

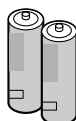
☒ Check you have all the items shown.

Accessories

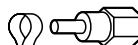
- ☐ Remote Control Transmitter
● N2QAYB000220



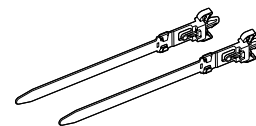
- ☐ Batteries for the Remote Control Transmitter (2)
● AA Battery



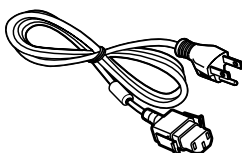
- ☐ Antenna Adapter
● F-Type for 5C-2V



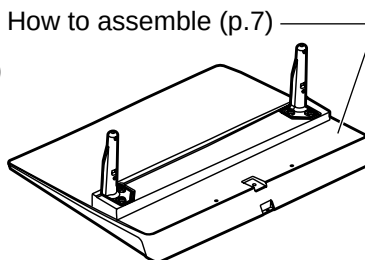
- ☐ Cable clampers (2)



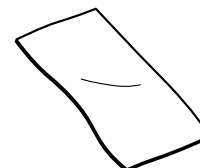
- ☐ AC cord



- ☐ Pedestal
● TBLX0031 (TH-42PZ800U)
● TBLX0032 (TH-46PZ800U, TH-50PZ800U)



- ☐ Cleaning cloth



- ☐ Operating Instructions

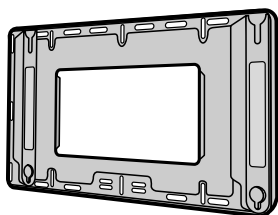
- ☐ Product Registration Card (U.S.A.)

- ☐ Quick Setup Guide

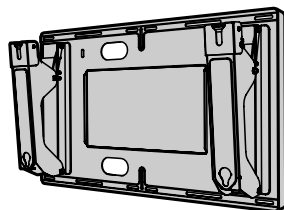
- ☐ Customer Care Plan Card (U.S.A.)

(For viewing HD programming)

Optional Accessory



- Wall-hanging bracket (vertical)**
● TY-WK42PV4W



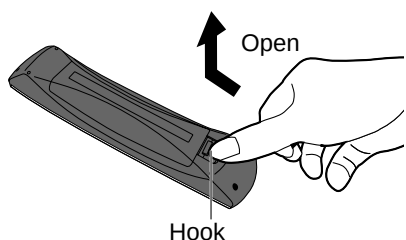
- (angle)**
● TY-WK42PR4W

Note

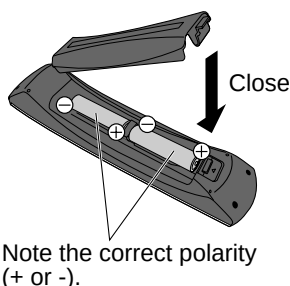
- In order to maintain the TV's performance and safety, be absolutely sure to ask your dealer or a licensed contractor to secure the wall-hanging brackets.
- Carefully read the instructions accompanying the plasma TV stand or pedestal, and be absolutely sure to take steps to prevent the TV from tipping over.
- Handle the TV carefully during installation since subjecting it to impact or other forces may cause its panel to crack.

Installing the remote's batteries

1



2



Caution

- Incorrect installation may cause battery leakage and corrosion, resulting in damage to the remote control.
 - Do not mix old and new batteries.
 - Do not mix different battery types (such as alkaline and manganese batteries).
 - Do not use rechargeable (Ni-Cd) batteries.
- Do not burn or break batteries.
- Make a note of the remote control codes before changing batteries in case the codes are reset. (p. 39)

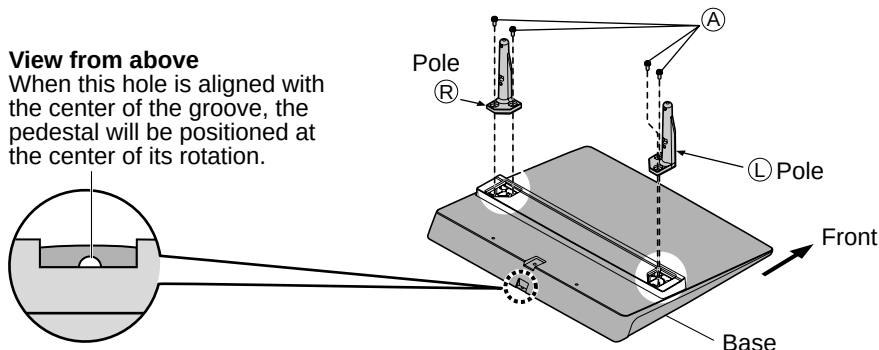
Attaching the pedestal to TV

Assembling the pedestal

- Fix securely with assembly screws (A). (Total 4 screws)
- Tighten screws firmly.

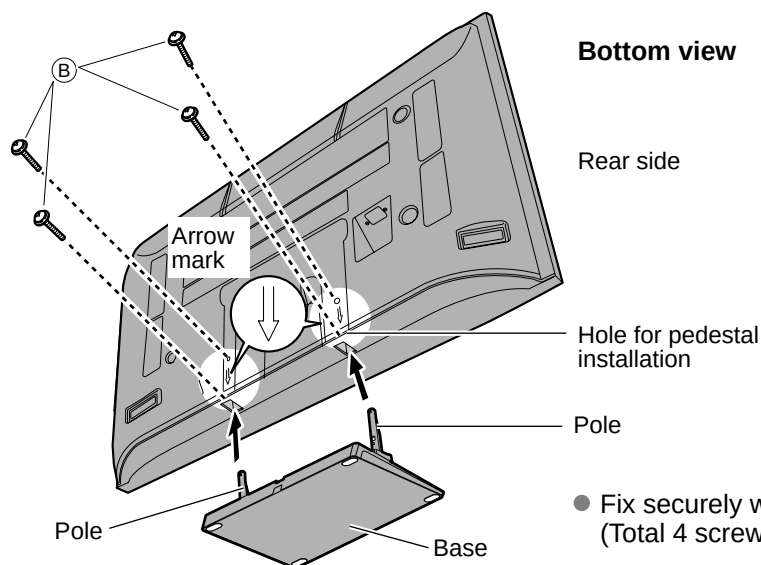
View from above

When this hole is aligned with the center of the groove, the pedestal will be positioned at the center of its rotation.



Set-up

- Carry out work on a horizontal and level surface.
- Align the pedestal with its center of rotation, referring to "Assembling the pedestal,"
- Tighten screws firmly.



Bottom view

Rear side

Hole for pedestal installation

Pole

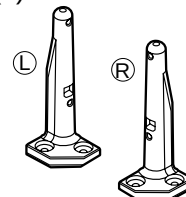
- Fix securely with assembly screws (B). (Total 4 screws)

Accessories

Assembly screws
(4 of each)

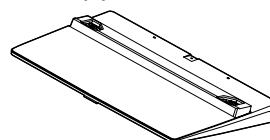
- (A) M5 x 18 (Silver)
- (B) M5 x 25 (Black)

Poles (2)



- L or R is printed at the bottom of the poles.

Base (1)



Warning

Do not disassemble or modify the pedestal.

- Otherwise the TV may fall over and become damaged, and personal injury may result.

Caution

Do not use any other TV and displays.

- Otherwise the TV may fall over and become damaged, and personal injury may result.

Do not use the pedestal if it becomes warped or damaged.

- If you use the pedestal when it is damaged, personal injury may result. Contact your nearest Panasonic Dealer immediately.

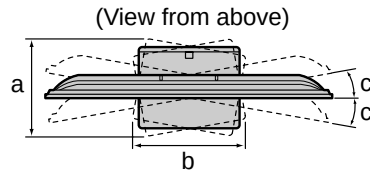
During set-up, make sure that all screws are securely tightened.

- If sufficient care is not taken to ensure screws are properly tightened during assembly, the pedestal will not be strong enough to support the TV, and it might fall over and become damaged, and personal injury may result.

Accessories/Optional Accessory (continued)

Location

Adjust the plasma panel to your desired angle.



● TH-42PZ800U

a: 16.8" (425 mm) / b: 20.6" (521 mm) / c: 15°

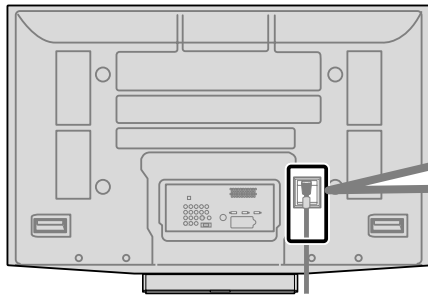
● TH-46PZ800U/ TH-50PZ800U

a: 17.9" (453 mm) / b: 20.2" (513 mm) / c: 10°

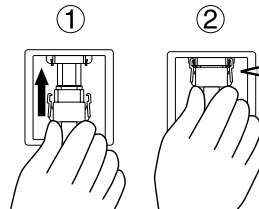
Note

- Ensure that the pedestal does not hang over the edge of the base even if the TV swivels to the full rotation range.
- Do not place any objects or hands within the full rotation range.

AC cord connection

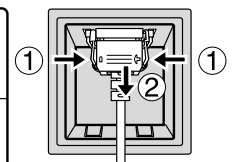


To attach



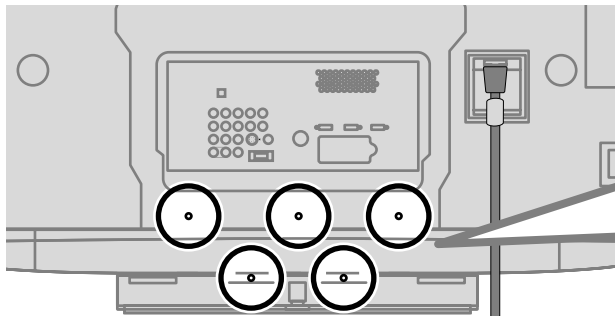
Insert it firmly until the tabs on both sides click into place.

To remove



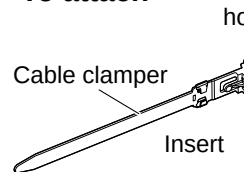
Keep pushing both side snaps

Cable Binding Instructions

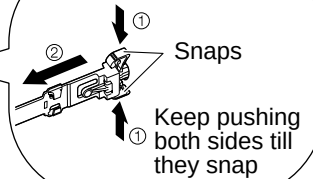


- Do not bundle the RF cable and AC cord together (could cause distorted image).
- Fasten the cables with the Cable clasper as necessary.
- When using the options, follow the option's assembly manual to fix cables.

To attach

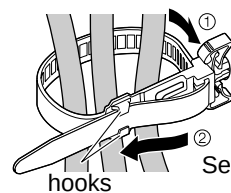


To remove

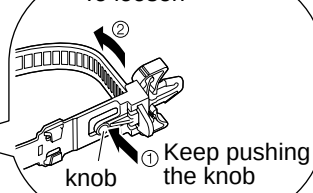


Keep pushing both sides till they snap

To bundle



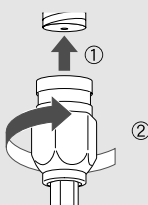
To loosen



Keep pushing the knob

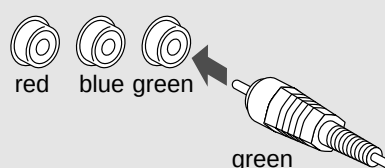
Reference of connection

Antenna terminal



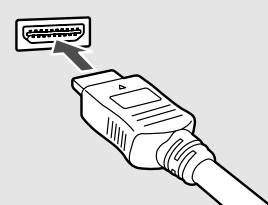
- Firmly tighten by hand.

Pin terminals



- Match colors of plugs and terminals.
- Insert firmly.

HDMI terminal



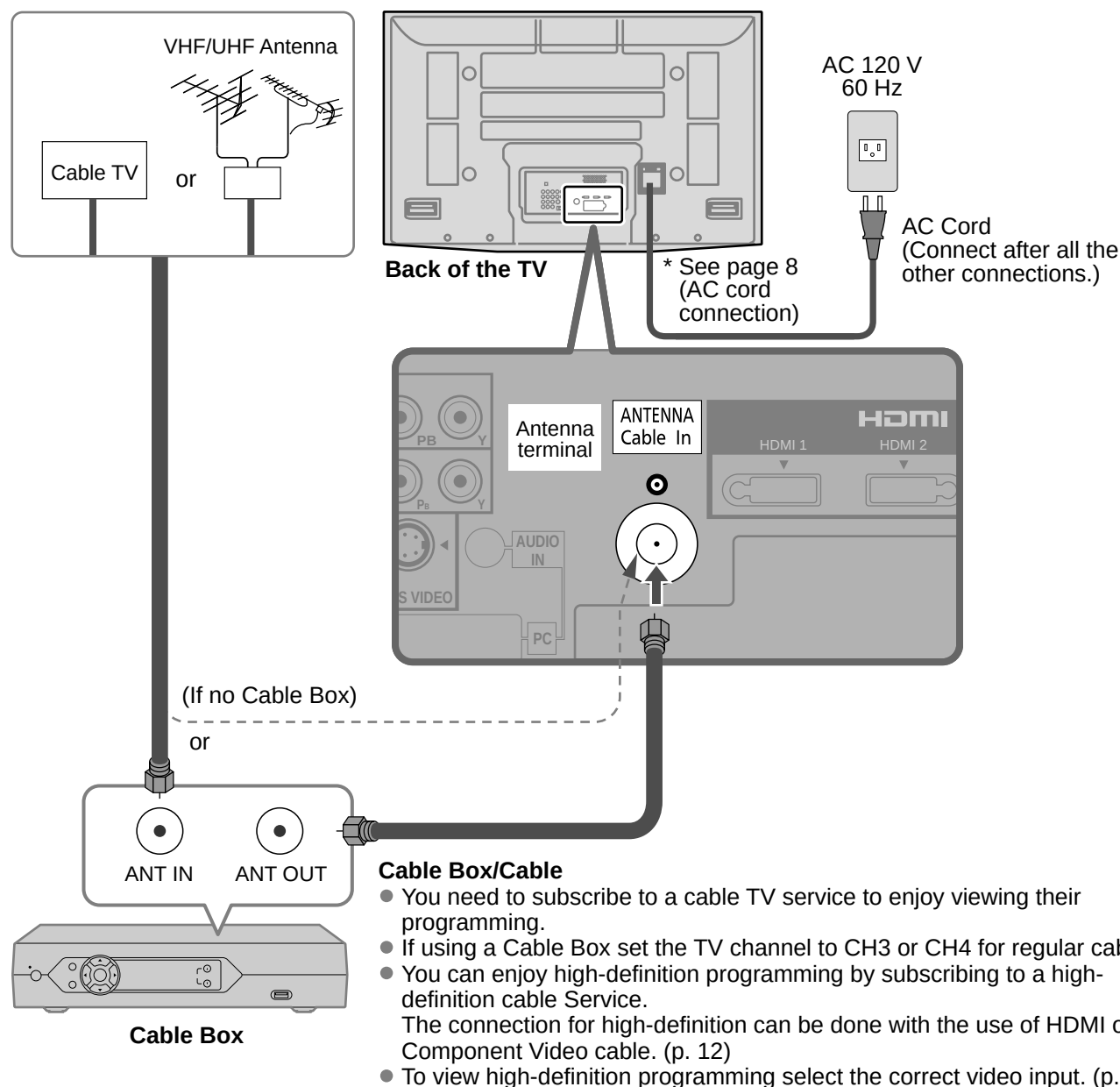
- Insert firmly.

Basic Connection

Example 1 Connecting Antenna (To watch TV)



To connect antenna terminal and Cable Box



Note

- Not all cables and external equipment shown in this book are supplied with the TV.
- For the details of the external equipment's connections, please refer to the operating manuals for the equipment.
- When disconnecting the power cord, be absolutely sure to disconnect the power cord plug from the wall outlet first.
- For additional assistance, visit us at: www.panasonic.com
www.panasonic.ca

Basic Connection (continued)

Example 2 Connecting DVD recorder (VCR) (To record/playback)

TV



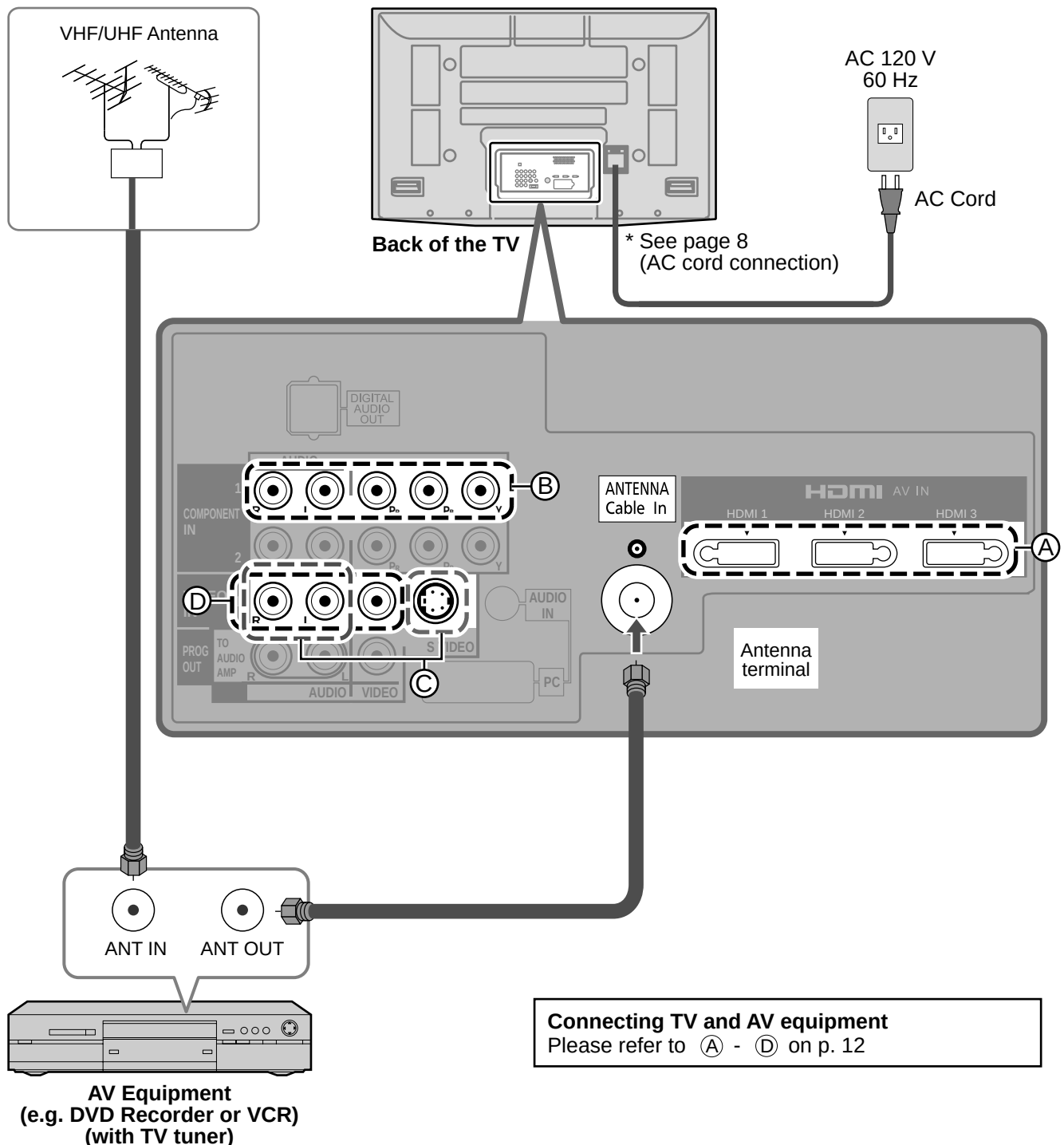
DVD Recorder

If this source has higher resolution through interlace or progressive signal, connection can be done with the use of Component Video or HDMI cable. (p. 12)

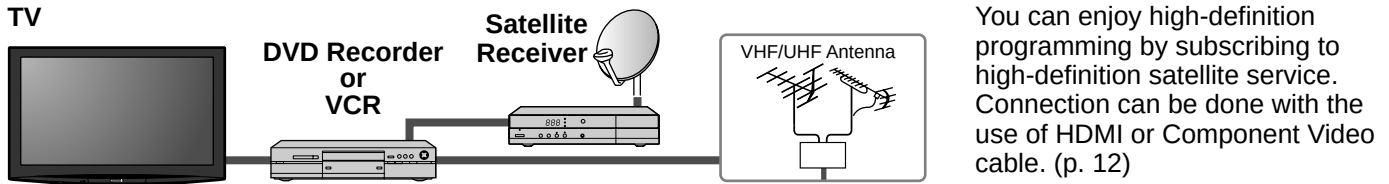
VCR

Connection can be done with the use of an RF cable and Composite Video/S Video cable. (p. 12)

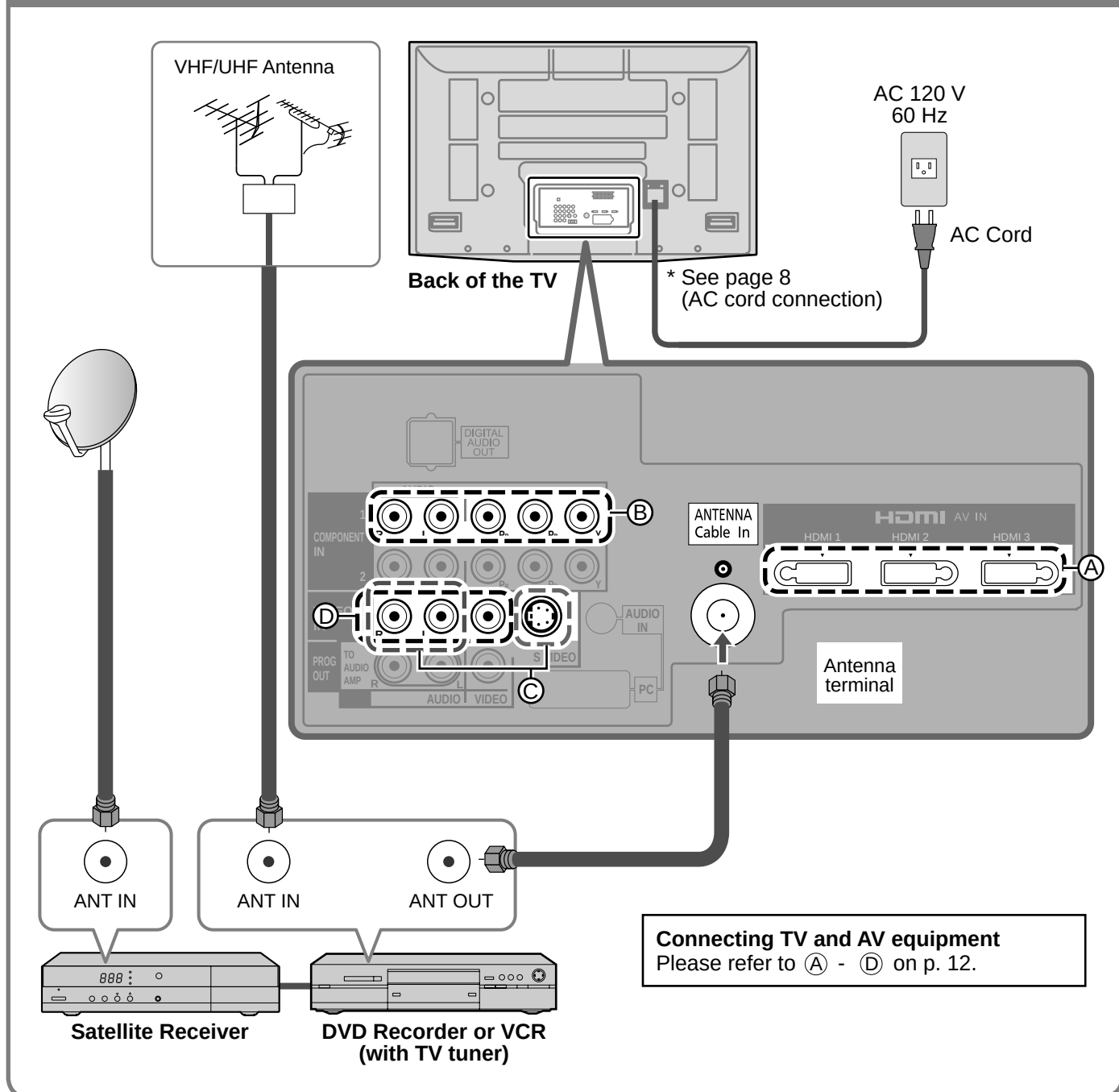
To connect antenna terminal and DVD recorder or VCR



Example 3 Connecting DVD recorder (VCR) and satellite receiver



To connect antenna terminal and Satellite Receiver and DVD recorder or VCR



Note

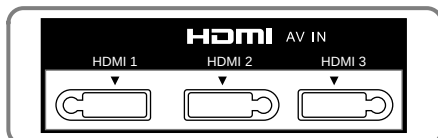
- For details of external equipment connections, please refer to the operating manuals for the equipment.

Basic Connection (continued)

AV cable connections

High-Definition

A To use HDMI terminals

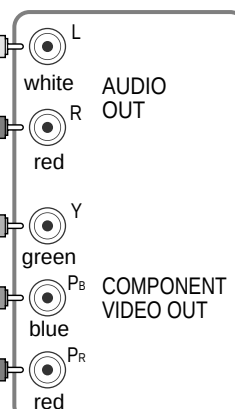
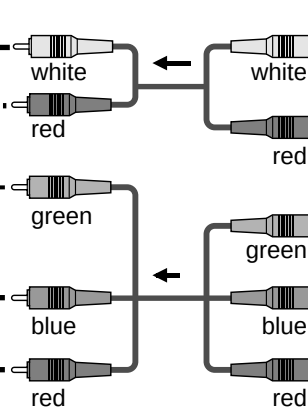
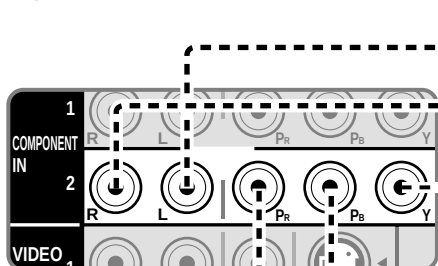


AV Equipment

e.g. Blu-ray Disc player

- Connecting to HDMI terminals will enable you to enjoy high-definition digital images and high-quality sound.
- For "VIERA Link™ connections", please refer to p. 41.

B To use COMPONENT terminals



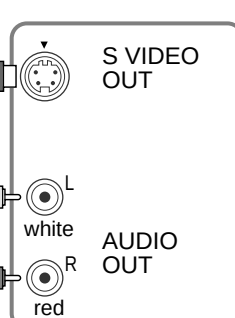
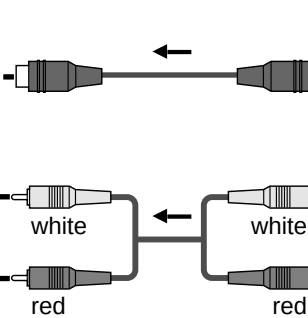
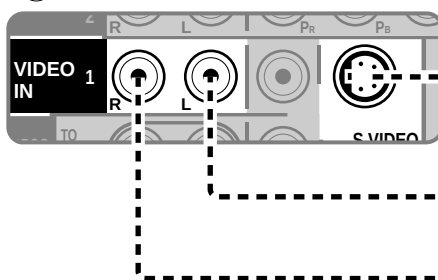
AV Equipment

e.g. Blu-ray Disc player

- Recorders may also be connected to COMPOSITE or S VIDEO terminals. (see below)

Standard-Definition

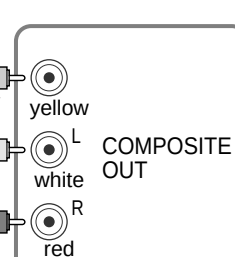
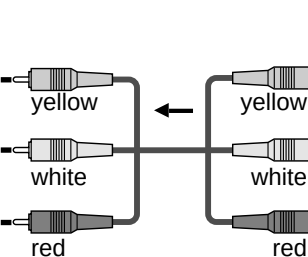
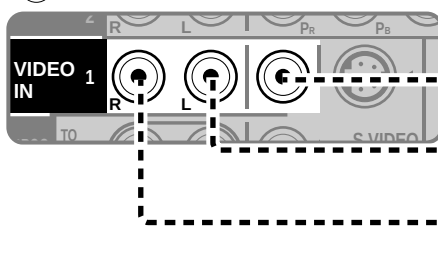
C To use S VIDEO terminals



AV Equipment

e.g. DVD Recorder
or
e.g. VCR

D To use COMPOSITE terminals



AV Equipment

e.g. DVD Recorder
or
e.g. VCR

- The S Video input will override the composite video signal when S Video cable is connected. Connect either S Video or Video cable.
- Connecting to S VIDEO terminals will enable you to enjoy greater picture quality than using Composite terminals.

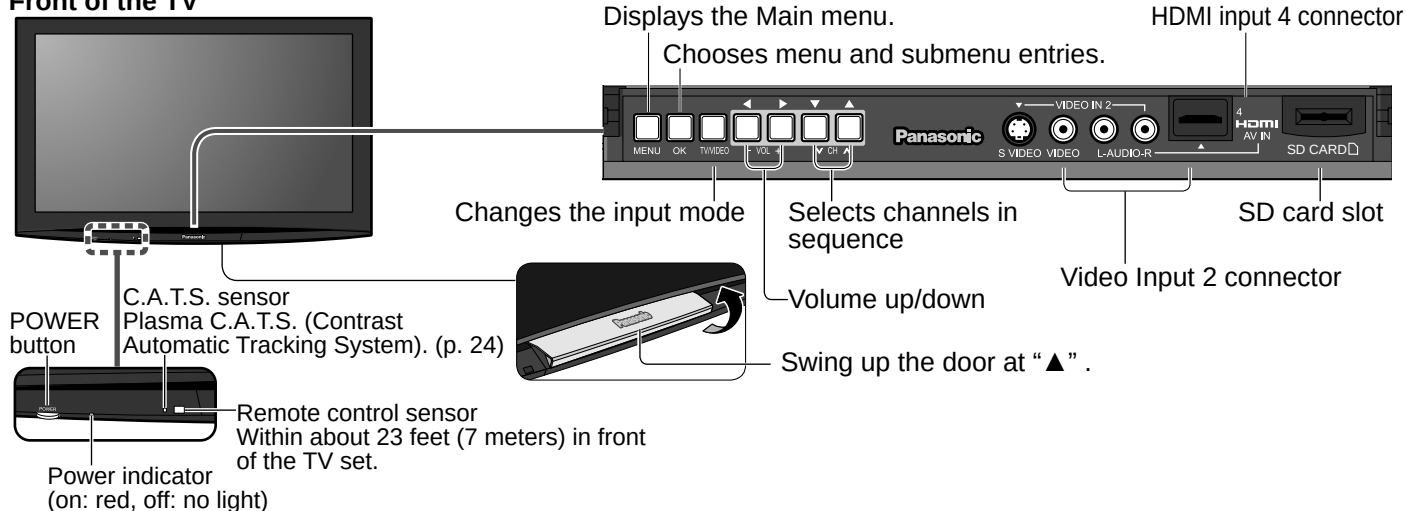
Note

- Some programs contain a copyright protection signal to prevent recording.
- When the copyright protection program is displayed, do not connect the other TV monitor through a VCR. Video signals fed through VCRs may be affected by copyright protection systems and the picture will be distorted on the other TV monitor.
- For the details of the external equipment's connections, please refer to the operating manuals of this equipment.

Identifying Controls

TV controls/indicators

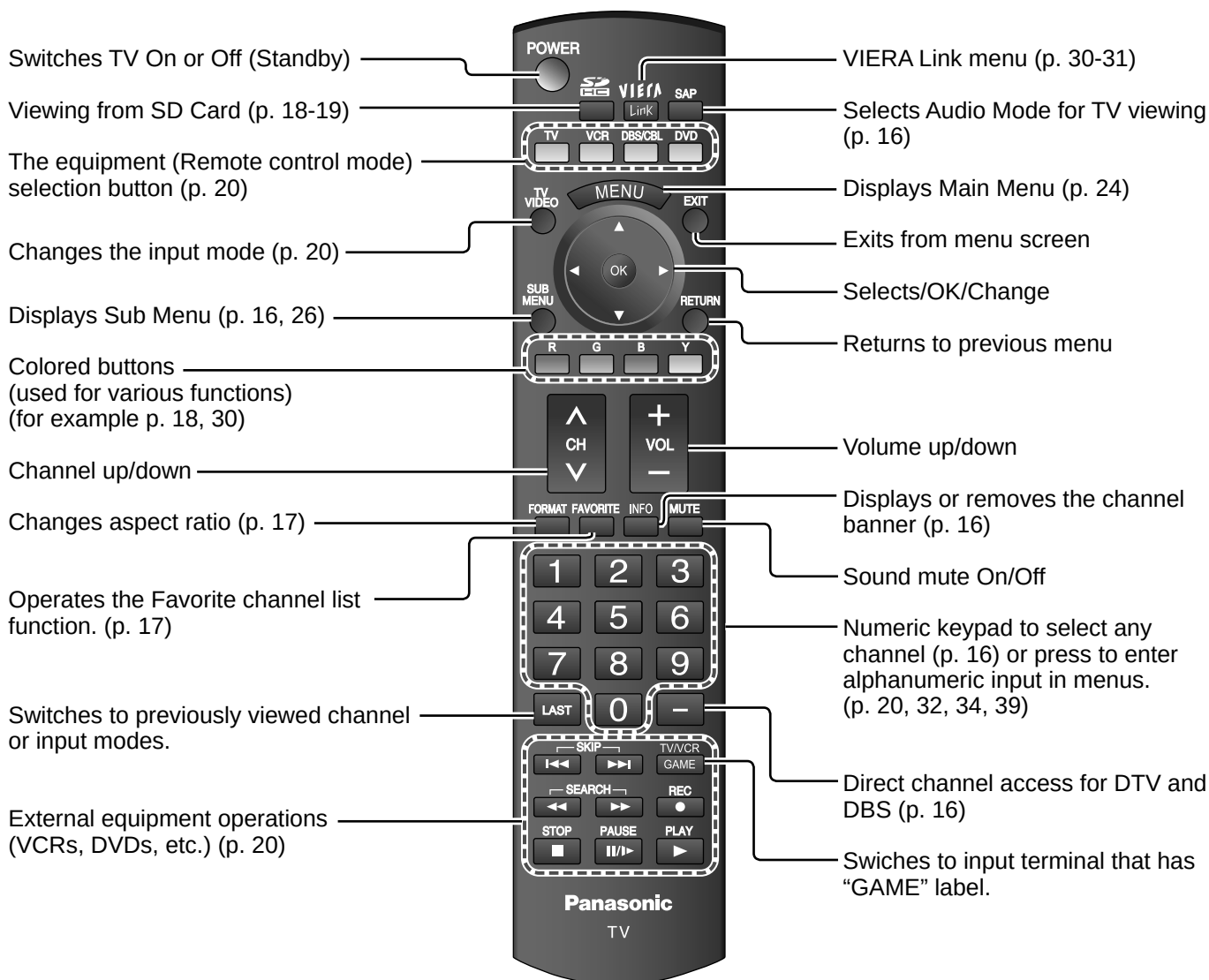
Front of the TV



Note

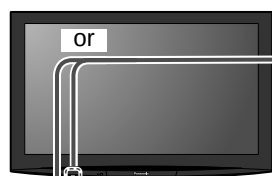
- The TV consumes a limited amount of power as long as the power cord is inserted into the wall outlet.

Remote control



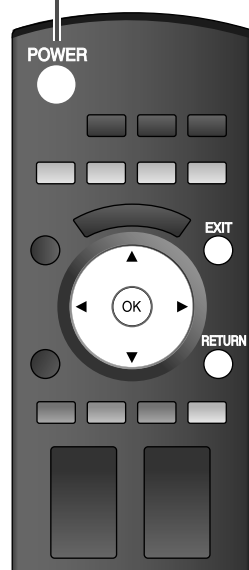
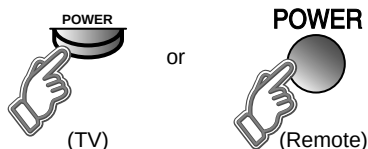
First Time Setup

“First time setup” is displayed only when the TV is turned on for the first time after the power cord is inserted into a wall outlet and when “Auto power on” (p. 26-27) is set to “No”.



1

Turn the TV On with the POWER button



Press to exit from a menu screen



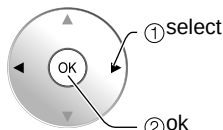
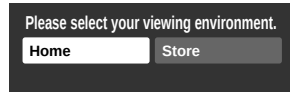
Press to return to the previous screen



Note

- To change setting (Language/Clock/Auto program) later, go to Menu screen (p. 26)

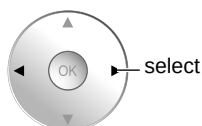
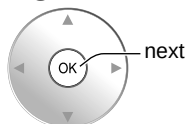
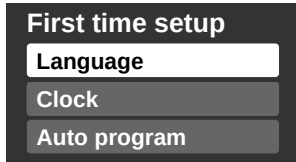
Be sure to select “Home” (Normal display mode)



- This setting will be skipped next time.
- If you select “Store”, “First time setup” will not be displayed. In case you select “Store” by mistake, unplug the TV and plug it again. Then, set to “Home” next time.
- This selection screen is displayed when “Store” is selected.

2

Select your language



→ English ↔ Español ↔ Français ←

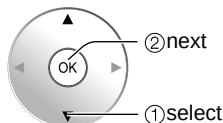
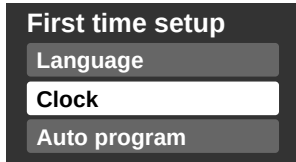
RETURN



Go back to previous screen.

3

Adjust the clock



RETURN



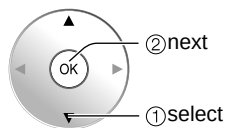
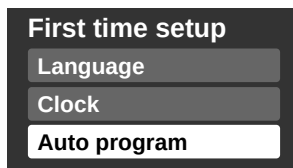
Go back to previous screen.

Year: Select the year
Month: Select the month
Day: Select the day
Hour: Adjust the hour
Minute: Adjust the minute

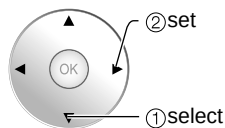
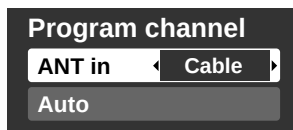


4 Auto channel setup

① Select "Auto program"

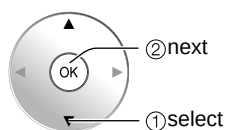
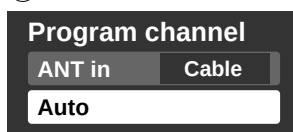


② Select "ANT in"

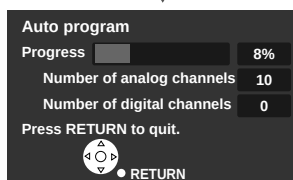
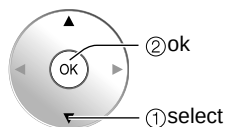


ANT in
Cable: Cable TV
Antenna: Antenna

③ Select "Auto"



④ Select scanning mode (ALL channels/Analog only/Digital only)



Start scanning the channels

- Available channels (analog/digital) are automatically set.

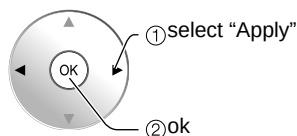
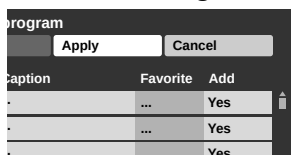
All channels: Scans digital and analog channels
Analog only: Scans Analog channels only
Digital only: Scans Digital channels only

■ Press to exit from a menu screen

EXIT



⑤ Confirm registered channels



- If OK is not pressed after selecting "Apply", the channels will not be saved. The channel will be saved when no operation is performed for 60 seconds and the "Manual program" menu will also exit automatically.
- If you perform scanning more than twice, previously saved channels are erased.

Note

- About broadcasting systems

Analog (NTSC): Conventional broadcasting

Digital (ATSC): New programming that allows you to view more channels featuring high-quality video and sound

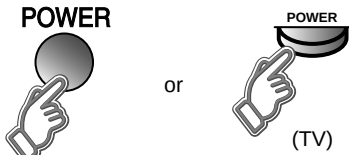
Watching TV

Connect the TV to a cable box/cable, set-top-box, satellite box, or antenna cable (p. 9-12)

To watch TV and other functions



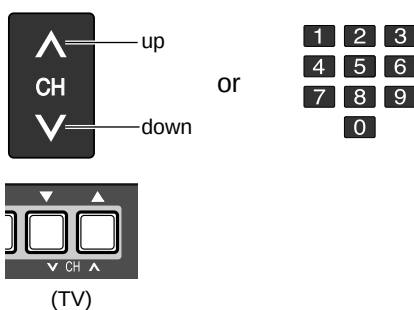
1 Turn power on



Note

- If the mode is not TV, press **TV** and select TV. (p. 20)

2 Select a channel number



■ To directly input the digital channel number

- When tuning to a digital channel, press the button to enter the minor number in a compound channel number.

example: CH15-1: **1** **5** **-** **1**

■ Other Useful Functions (Operate after ②)

Listen with SAP (Secondary Audio Program)



● Digital mode

Press SAP to select the next audio track (if available) when receiving a digital channel.

Audio track 1 of 2
(English)

● Analog mode

Press SAP to select the desired audio mode.

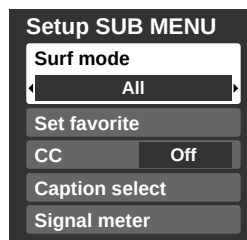
- Each press of SAP will change the audio mode. (Stereo/SAP/Mono)

Display the SUB MENU



■ Press SUB MENU to show sub menu screen. (p. 26)

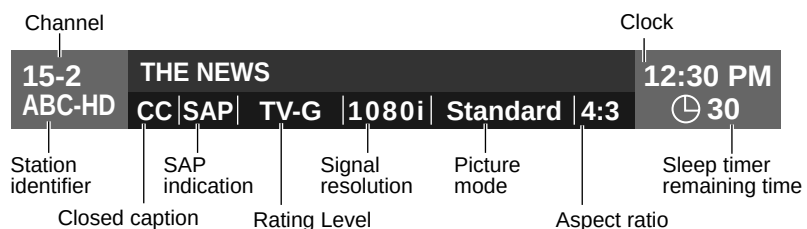
This menu consists of shortcuts to convenient functions.



Information Recall

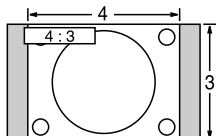


■ Displays or removes the channel banner.



Change aspect ratio

■ Press **FORMAT** to cycle through the aspect modes. (p. 46)



- 480i, 480p: FULL/JUST/4:3/ZOOM
- 1080p, 1080i, 720p: FULL/H-FILL/JUST/4:3/ZOOM

Call up a favorite channel



■ FAVORITE

Channel numbers registered in Favorite are displayed on the favorite tune screen. Select the desired broadcast station with the cursor or use number buttons. (see below)

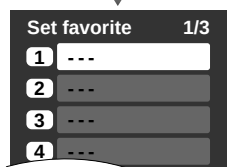
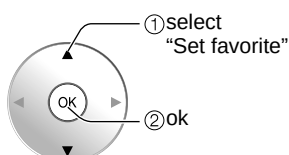
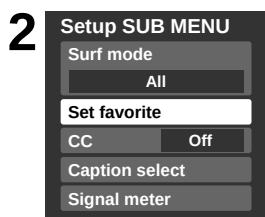
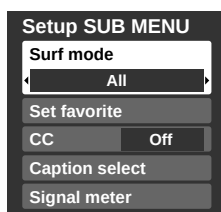
Note

- Reselect "Cable" or "Antenna" in "ANT in" of "Program channel" to switch the signal reception between cable TV and antenna. (p. 15, 35)
- The channel number and volume level remain the same even after the TV is turned off.

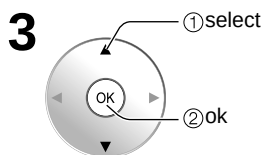
Favorite Feature

■ Set Favorite Feature

1 Display the SUB MENU.



- Press **FAVORITE** repeatedly to change between pages (1/3, 2/3, 3/3, or exit).



Press **▲▼** to highlight a position on the list. Then, press **OK** to save the displayed channel in that position.



- You can also use the **NUMBER** buttons (1-9 and 0) to select a list number (1-9 and 0). By doing so, the displayed channel will be saved on that list number without pressing **OK**.

● To delete a favorite channel

A saved channel can be removed from the list by holding down **OK** while its position is highlighted.

● To change the page

Pressing **◀** changes the page backward.

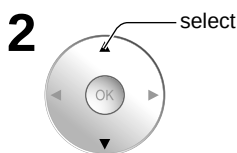
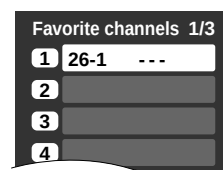
■ Use Favorite Feature

1 **FAVORITE**



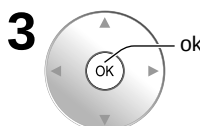
Press **FAVORITE**.

- Press **FAVORITE** repeatedly to change between pages (1/3, 2/3, 3/3, or exit).



Press **▲▼** or a Numbered key (1-9 and 0) to highlight a channel on the list.

- Selecting a channel number from the list with the number button will display the channel directly.



Press **OK** to display the highlighted channel.

Viewing from SD Card

You can view photos taken with a digital camera or digital video camera and saved on an SD card.
(Media other than SD Cards may not be reproduced properly.)

Photo viewer

1 Insert the SD card and select "Play SD card now"

- "SD card setting" will be displayed automatically each time a SD card is inserted for the first time.

SD card setting

Play SD card automatically
On

Play SD card now

Play SD card automatically: Set it to playback the data when SD card is inserted.
On: When SD card is inserted, the data play automatically from next time.
Off: The data can be played manually.

Press the SD key or select "SD card" on the Menu.

- You can skip this step when "Play SD card now" is selected or "On" is set in "Play SD card automatically" setting.

2 Select the data to be viewed

Thumbnail view

Navigation area

Present status (While reading the data)

Selected picture information is displayed.
No.: Image number or file name is displayed.
Date: Date of recording is displayed.
Pixel: Display resolution is displayed.

Total number of images

Accessing

Rotate
Prev. Next
RETURN

Slide show G B Y

(to Slide show)

Accessing

Prev. Pause Next
RETURN

Single B Y

(to Single photo display)

Note

- Depending on the JPEG format, "Information" contents may not be displayed correctly. Refer to p. 47 (Data format for SD card browsing) for details.

Press to exit from a menu screen



Press to return to the previous screen

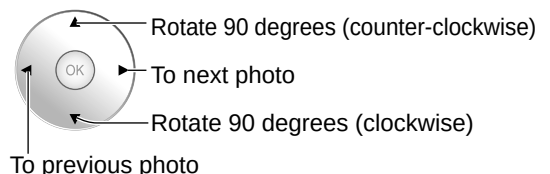


3 View



Displays one at a time

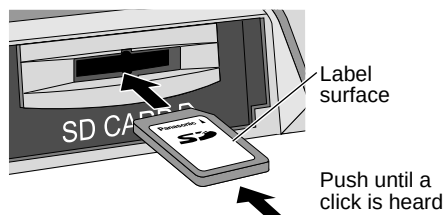
Navigation area



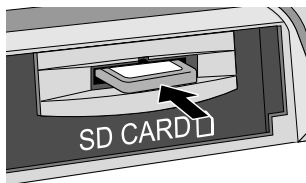
- To display/hide Navigation area → INFO

SD Card

- Insert the card



- Remove the card
➔ Press in lightly on SD Card, then release.



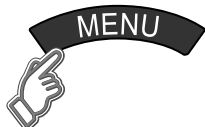
- Compliant card type (maximum capacity): SDHC Card (16 GB), SD Card (2 GB), miniSD Card (1 GB) (requiring miniSD Card adapter)
- For cautions and details on SD Cards (p. 47)
- Blue LED lights while SD Card is inserted if set "SD card LED" to "On" in Setup Menu (p. 26).

To change the view (slide show mode, adjusting images, etc.)

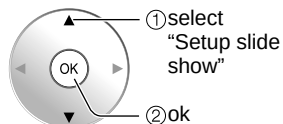
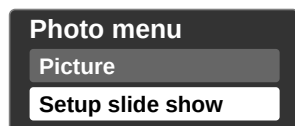
■ To set up the slide show mode

In ② or ③

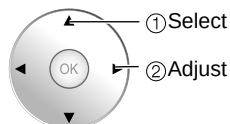
1 Display "Photo menu"



2 Select "Setup slide show"



3 Select the item and adjust



Disp. time	You can set how many seconds each image is displayed in Slide show mode. (1-10/15/20/30/45/60/120 sec)
Repeat	Turn the slide show Repeat function On or Off.

Note

- For large image sizes, the display time will be longer than the number of seconds set.
- To stop in mid-cycle ➔ Press **RETURN**

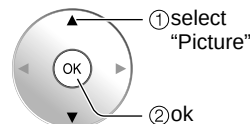
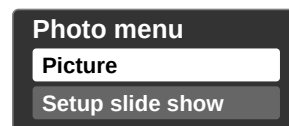
■ To adjust picture

In ② or ③

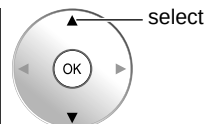
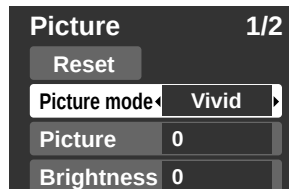
1 Display "Photo menu"



2 Select "picture"

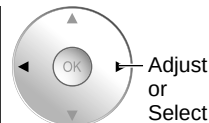
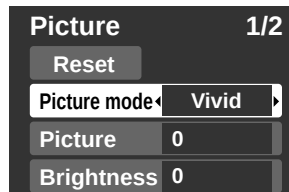


3 Select the item



Picture menu (p. 24)

4 Adjust or select



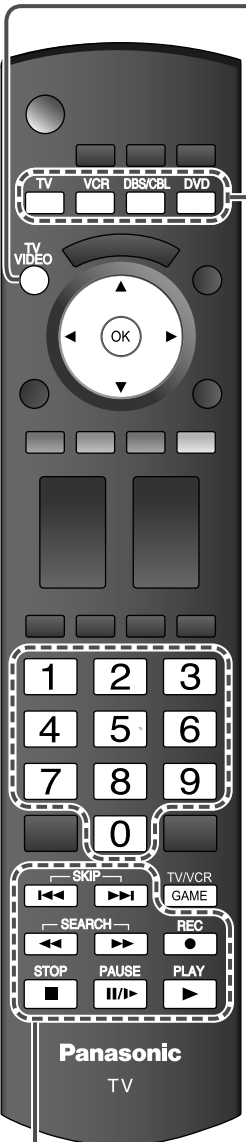
Watching Videos and DVDs

If you have applicable equipment connected to the TV, you can easily watch videos and DVDs using the TV's remote control.

Input Select

You can select the external equipment to access.

To operate other manufacturers' equipment, you need to register the code of the equipment. (p. 39)



1 With the connected equipment turned On
Display the Input select menu

2 **Select the input mode**

Input select

1 TV

2 Component 1 **AUX**

3 Component 2

4 **HDMI 1** **GAME**

5 HDMI 2

6 HDMI 3 **GAME**

7 HDMI 4

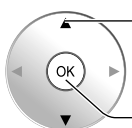
8 Video 1

9 Video 2 **GAME**

0 PC

1 2 3
4 5 6
7 8 9
0

or



Press corresponding **NUMBER** button on the remote control to select the input of your choice.

Select the input of your choice, then press **OK**.

- During the selection, if no action is taken for several seconds, the "Input select" menu disappears.
- The terminal and label of the connected equipment are displayed. To label each of the inputs, please refer to p. 37.

(example)



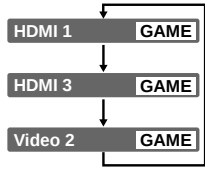
Note

- The input label will be displayed on "Input select" screen if Input label is set on p. 37.
- For front input terminals (HDMI 4/Video 2), "GAME" input label is set as default. (Picture mode is set to "Game", refer to p. 48.)
- For more details for picture mode setting, refer to p.48. For Input label, refer to p. 37.

■ Press Game to switch to the game screen
Switches to Input terminal that has "GAME" label.



- Cycle through the input terminals if there are multiple Input terminals that have "GAME" label. (p. 37)
- If there is no Input terminal with "GAME" label, you cannot switch the input terminal to any other input terminal than the one currently selected.



3 **Select the remote control mode**
Press the key to select

4 **Operate the connected equipment, pointing TV's remote control at the equipment.**

To return to TV

TV VIDEO → 1

Note

- For details, see the manual of the connected equipment.

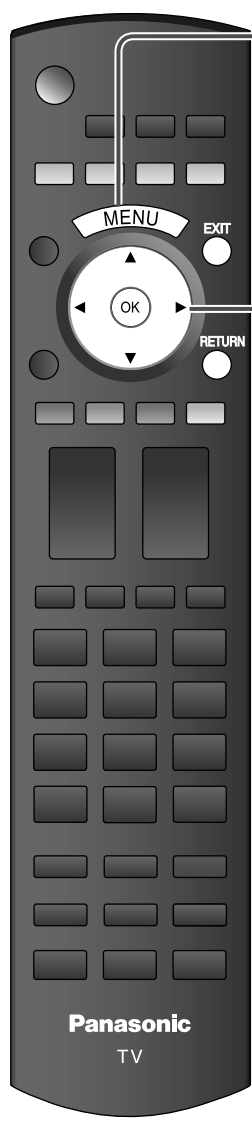
(example)

	VCR MODE	DVD MODE		VCR MODE	DVD MODE
	VCR Record	Record		Stop	Stop
	—	Skip Reverse/Forward		Pause	Pause
	Rewind/Fast Forward	Reverse/Forward		Play	Play

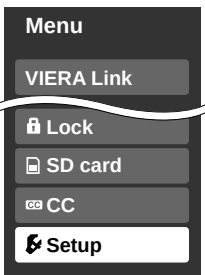
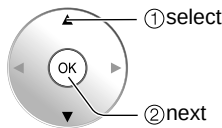
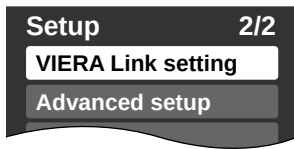
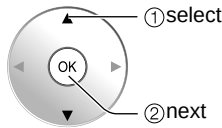
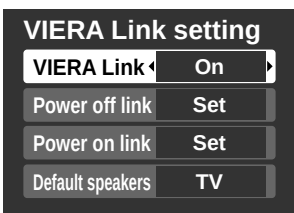
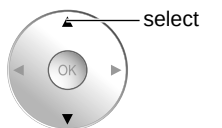
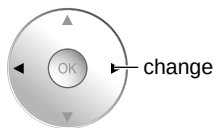
(For other operations, see p. 42)

VIERA Link™ Setting

If you connect equipment that has “HDAVI Control” function to a TV with HDMI cable, you can use more convenient functions. Please refer to p. 28-31. Before using these functions, you need to set “VIERA Link” setting to “On” as shown below.



- 1 Display menu**

- 2 Select “Setup”**


- 3 Select “VIERA Link setting”**


- 4 Select “VIERA Link”**


- 5 Select “On”**
 (default is On)


■ Press to exit from a menu screen



■ Press to return to the previous screen



Now you can set each “VIERA Link” function according to your preference (p. 28-31)

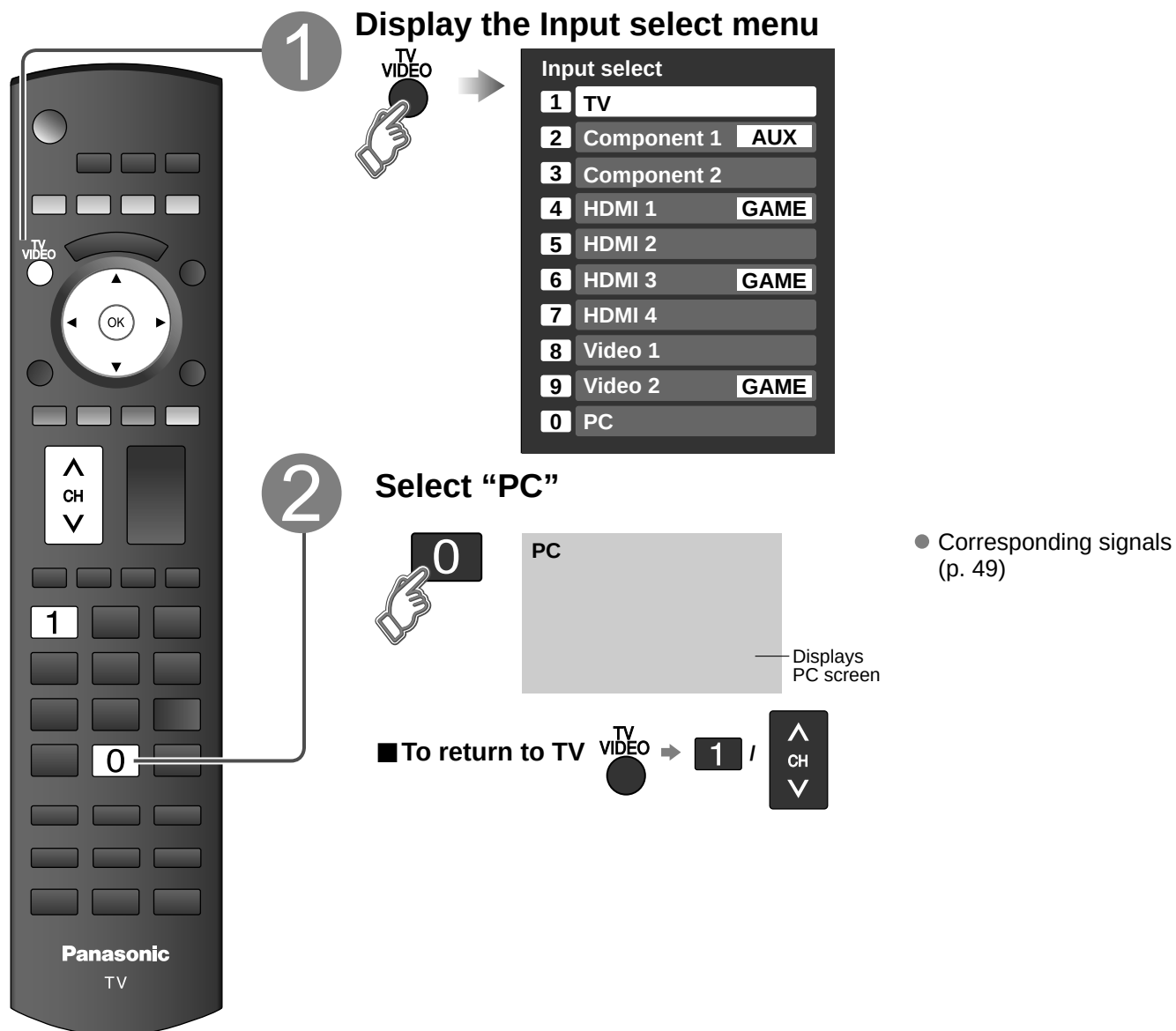
Note

- If no HDMI equipment is connected or standard HDMI equipment (non- “VIERA Link”) is used, set it to “Off”.
- For the details on the external equipment’s connections, please refer to the operating manuals for the equipment.

Displaying PC Screen on TV

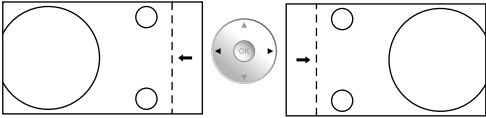
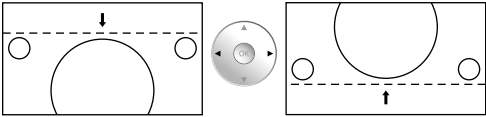
The screen of the PC connected to the unit can be displayed on the TV.

You can also listen to PC sound with the audio cable connected. To connect PC (p. 40)



■ **PC menu setting** (change as desired)

● Making settings ➡ “How to Use Menu Functions” ① to ④ (p. 24)

Menu	Item	Adjustments/Configurations (options)
Picture	Reset	Resets PC adjust
	Sync	● H & V: The H and V sync signals are input from the HD/VD connector. (p. 49) ● On G: Uses a synchronized signal on the Video G signal, which is input from the G connector. (p. 49)
	Dot clock	Alleviates the problem if a picture appears to be vertically-striped, flickers partially or is blurred.
	H-position	Adjusts the horizontal position. 
	V-position	Adjusts the vertical position. 
	Clock phase	Alleviates the problem if the whole picture appears to flicker or is blurred. First adjust the Dot Clock to get the best possible picture, then adjust the Clock Phase so that a clear picture appears. Note It may not be possible to display a clear picture due to poor input signals.
	Input resolution	Switches to wide display. ● Input signal switched from VGA to WVGA ● Input signal switched from XGA to WXGA
	H-frequency V-frequency	Displays the H (Horizontal)/V (Vertical) frequencies. ● Display range Horizontal: 15 - 110 kHz Vertical: 48 - 120 Hz

● Audio menu (p. 24)

● For PC input, only audio signals can be output from PROG OUT terminals.

How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV best suited for you.



1

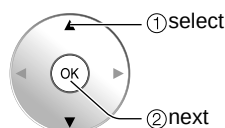
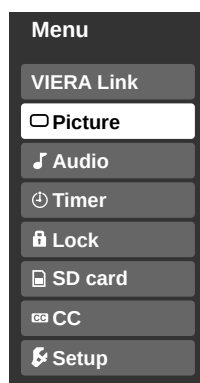
Display menu



- Displays the functions that can be set (varies depending on the input signal)

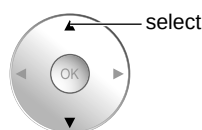
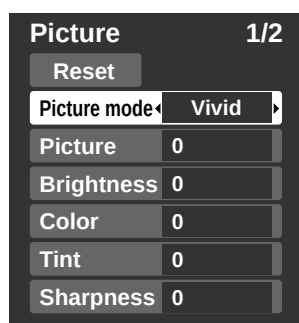
2

Select the menu



3

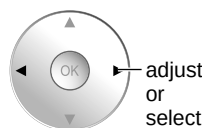
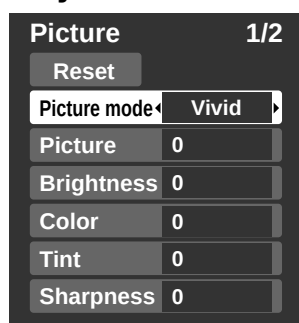
Select the item



(example: Picture menu)

4

Adjust or select



(example: Picture menu)

- Press to exit from a menu screen



- Press to return to the previous screen



Menu list

Menu	Item	
VIERA Link	Record now Stop recording VIERA Link control Speaker output	
Picture	Reset	
	Picture mode	
	Picture, Brightness, Color, Tint, Sharpness	
	Color temp.	
	Color mgmt.	
	x.v.Color	
	C.A.T.S.	
	Zoom adjust	
	PC adjust	
	Video NR	
	3D Y/C filter	
	Color matrix	
	MPEG NR	
	Black level	
	24p Direct in	
	HD size	
Audio	Reset	
	Bass	
	Treble	
	Balance	
	AI sound	
	BBE VIVA 3D	
	BBE	
	Surround	
	Audio leveler	
	Speaker output	
Advanced audio	HDMI 1 in HDMI 2 in HDMI 3 in HDMI 4 in	

Adjustments/Configurations (alternatives)			
[Record now/Stop recording] Records programs on the recorder immediately with the TV's remote control (p. 30-31). [VIERA Link control] Selects equipment to access and operate. (Recorder/Home theater/Player/Camcorder) (p.30-31) [Speaker output] Selects an audio output. (Home theater/TV) (p. 30-31) ● VIERA Link menu is accessible directly by pressing the VIERA Link button on the remote control. ➔ VIERA Link (p. 30)			
Resets all picture adjustments to factory default settings except for "Advanced picture".			Reset
Basic picture mode (Vivid/Standard/THX/Game/Custom) (p. 48)		Picture mode	Vivid
Adjusts color, brightness, etc. for each picture mode to suit your taste ● Display range Picture/Brightness/Color/Sharpness: 0 - 100 Tint: -50 - +50	Picture	+20	Tint 0
	Brightness	0	Sharpness 0
	Color	0	
Selects a choice of Cool (blue), Normal, or Warm (red) color. (Cool/Normal/Warm)		Color temp.	Cool
On: Enhances green and blue color reproduction, especially outdoor scenes. (On/Off)		Color mgmt.	On
Auto: Provide the appropriate picture when images corresponding to "x.v.Color" are input via the HDMI or component input of this TV. (Off/Auto)		x.v.Color	Auto
Adjusts the brightness and gradation accordingly to optimize contrast. (Off/On)		C.A.T.S.	Off
Adjusts vertical alignment and size when aspect setting is "ZOOM" (p. 46)		Zoom adjust	
Sets PC display (p. 22)		PC adjust	
Reduces noise, commonly called snow. Leave it off when receiving a strong signal. (Off/On)		Video NR	Off
Minimizes noise and cross-color in the picture. (On/Off)		3D Y/C filter	On
Selects image resolution of component-connected devices (HD/SD) ● SD: Standard Definition HD: High Definition ● Only 480p signal accepted; regular TV (NTSC) is not available.		Color matrix	SD
Reduces noise of specific digital signals of DVD, STB, etc. (On/Off)		MPEG NR	Off
Selects Dark or Light. Valid only for external input signals. (Dark/Light)		Black level	Light
48Hz: Achieves more cinematic playback by reproducing the movie contents at twice the speed of 24 frames per second. (60Hz/48Hz)		24p Direct in	60 Hz
Selects between 95 % (Size 1) or 100 % (Size 2) for the scanning area with High-definition signal. (Size 1/ Size 2) Select "Size 1" if noise is generated on the edges of the screen. ● Size 1: Selected item for "HD size". Scanning 95% ● Size 2: Selected item for "HD size". Scanning 100%		HD size	Size1
Resets Bass, Treble and Balance adjustments to factory default settings.		Reset	
Increases or decreases the bass response.		Bass	0
Increases or decreases the treble response.		Treble	0
Emphasizes the left / right speaker volume.		Balance	0
Equalizes overall volume levels across all channels and external inputs. (On/Off)		AI sound	On
BBE VIVA HD3D (High-Definition 3D) Sound provides musically accurate natural 3D image with Hi-Fi sound. The clarity of the sound is improved by BBE while the width, depth and height of sound image are expanded by BBE's proprietary 3D sound process. BBE VIVA HD3D Sound is compatible with all TV programs including news, music, dramas, movies, sports and electronic games. (On/Off)		BBE VIVA 3D	On
BBE High Definition Sound restores clarity and presence for better speech intelligibility and musical realism. (On/Off)		BBE	On
Enhances audio response when listening to stereo. (On/Off)		Surround	Off
Minimizes volume disparity after switching to external inputs		Audio leveler	0
Switch to "Off" when using external speakers (On/Off) ● "AI sound", "Surround", and "Audio leveler" do not work if "Off" is selected		Speaker output	On
The default setting is "Digital" for HDMI connection. (Digital input signal) Select audio input terminal when DVI cable is connected. (Analog audio input signal) (Digital/Component 1/Component 2/Video 1/Video 2/PC)	HDMI1 in	Digital	
	HDMI2 in	Digital	
	HDMI3 in	Digital	
	HDMI4 in	Digital	

- In AV mode, the Audio menu and Setup menu give fewer options.

How to Use Menu Functions

Various menus allow you to make settings for the picture, sound, and other functions so that you can enjoy watching TV best suited for you.

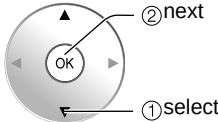
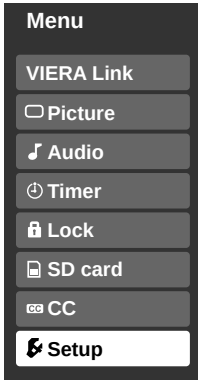


1 Display menu

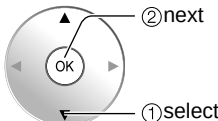
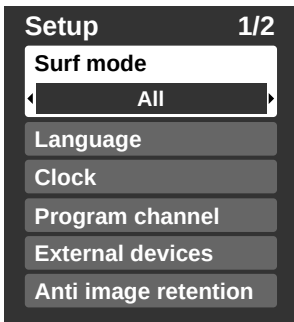


- Displays the functions that can be set (varies according to the input signal)

2 Select “Setup”



3 Select the item



■ Press to exit from a menu screen



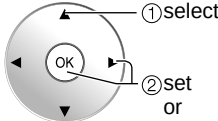
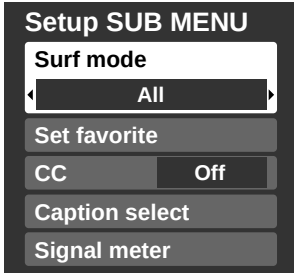
■ Press to return to the previous screen



1 Display Sub Menu



2 Select the item



■ Menu list

Menu	Item	
Timer	Sleep, Timer 1-5	
Lock		
SD Card	SD card	
CC	CC	
Setup	Surf mode	
	Language	
	Clock	
	Program channel	
	External devices	
	Input labels	
	Monitor out	
	Anti image retention	
	Pixel orbiter	
	Time	
	Side bar	
	Scrolling bar	
	VIERA Link setting	
	VIERA Link	
	Power off link	
	Power on link	
	Default speakers	
	Advanced setup	
	Auto power on	
	No signal shut-off	
	No action shut-off	
	SD card LED	
	Play SD card automatically	
	About	
	Reset	

■ Sub menu list

Menu	Item	
Setup SUB MENU	Surf mode	
	Set favorite	
	CC	
	Caption select	
	Signal meter	

(Continued)

Adjustments/Configurations (alternatives)	
The TV can automatically turn On/Off at the designated date and time (p. 38)	Sleep 60
Locks the channels and programs (p. 32)	
Displays SD card data (p. 18-19)	SD card
Displays subtitles (Closed Caption) (p. 36)	CC
Sets the mode to select the channel with Channel up/down button (All/Favorite/Digital only/Analog only) ● Favorite: Only channels registered as FAVORITE (p. 17)	Surf mode All
Selects the screen menu language (p. 14)	Language
Adjusts the clock (p. 14)	Clock
Sets channels (p. 34)	Program channel
Selects the terminal and label of the external equipment (p. 37)	
[Component 1/Component 2/HDMI 1/HDMI 2/HDMI 3/HDMI 4/Video 1/Video 2] To prevent howling and image oscillation, stops output of the pictures and audio specified in this menu. (p. 37) (On/Off)	
Prevents "Image retention" with Wobbling. (Automatic/Force) ● Automatic: Shifts the display image automatically. ● Force: Shifts the display image every (1/2/3/4) minutes according to what was set in the "Time" menu.	Pixel orbiter Automatic
Sets the time for "Pixel orbiter-Force" setting. (1/2/3/4)	Time 4
Change the brightness of the side bar (Off/Dark/Mid/Bright) (4:3 mode only) ● The recommended setting is "Bright" to prevent panel "Image retention". (p. 49)	Side bar Bright
Press "OK" to start horizontal "Scrolling" on the screen (p. 49)	Scrolling bar
Controls equipment connected to HDMI terminals (p. 28) (On/Off) ● "Power off link", "Power on link", and "Default speakers" cannot be selected if "Off" is set.	VIERA Link On
Sets "Power off link" of HDMI connection equipment (p. 28) (Set/No)	Power off link Set
Sets "Power on link" of HDMI connection equipment (p. 28) (Set/No)	Power on link Set
Selects the default speakers (p. 28) (TV/Theater)	Default speakers TV
Turns TV On automatically when the cable box or a connected device is turned On (No/Set) ● The "Sleep" timer, "On / Off timer", and "First time setup" will not function if "Auto power on" is set. (p. 38)	Auto power on No
To conserve energy, the TV automatically turns off when NO SIGNAL and NO OPERATION is performed for more than 10 minutes. (Set/No) Note ● Not in use when setting "Auto power on", "On/Off Timer", "Lock", "SD Mode", or Digital channel. ● "No signal shut-off was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after turning the power off by "No signal shut-off". ● The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.	No signal shut-off Set
To conserve energy, the TV automatically turns off when no operation of remote or front panel key continues for more than 3 hours. (No/Set) Note ● Not in use when setting "Auto power on" or "On/Off Timer" or PC input display. ● "No action shut-off was activated" will be displayed for about 10 seconds when the TV is turned on for the first time after turning the power off by "No action shut off". ● The on-screen display will flash 3, 2 and 1 to indicate the last three (3) remaining minutes prior to the shut-off.	No action shut-off No
Set to "On", if you light SD card LED while SD card is inserted. (On/Off)	SD card LED On
Set "On" to play back SD cards automatically. (On/Off)	Play SD card automatically On
Displays TV version and software license.	About
Performing Reset will clear all items set with Setup, such as channel settings. (p. 34)	Reset

Adjustments/Configurations (alternatives)	
Sets the mode to select the channel with Channel up/down button (All/Favorite/Digital only/Analog only)	
Sets favorite channels. (p. 17)	
Displays Closed Caption. (p. 36) (Off/On)	
Changes the station identifier. (p. 35)	
Checks the signal strength if interference or freezing occurs on a digital image. (p. 35)	

VIERA Link™ “HDAVI Control”™*

* Simultaneously control all Panasonic “HDAVI Control” equipped components using one button on one remote.

VIERA Link™ is a new name for EZ Sync™

Enjoy additional HDMI Inter-Operability with Panasonic products which have “HDAVI Control” function. This TV supports “HDAVI Control 3” function.

Connections to some Panasonic equipment (DVD recorder DIGA, HD Camcorder, Player theatre, RAM theater, Amplifier, etc.) with HDMI cables allow you to interface them automatically.

The equipment with “HDAVI Control” function enables the following operations:

- Automatic Input Switching (p. 29)
- Power on link (p. 29)
- Power off link (p. 29)
- Default speakers (p. 29)
- One-touch theater playback (p. 29)
- Speaker control (p. 31)

Equipment with the “HDAVI Control 2” (or more) function enables the following operations:

- VIERA Link control only with the TV's remote control (for “HDAVI Control 2” or “HDAVI Control 3”) (P. 31)
- Providing the setting information (for “HDAVI Control 3”) (p. 29)
- Automatic lip-sync function (for “HDAVI Control 3”) (p. 29)
- Direct TV Recording (for “HDAVI Control 3”) (p. 31)

VIERA Link “HDAVI Control”, based on the control functions provided by HDMI which is an industry standard known as HDMI CEC (Consumer Electronics Control), is a unique function that we have developed and added. As such, its operation with other manufacturers' equipment that supports HDMI CEC cannot be guaranteed.

Please refer to the individual manuals for other manufacturers' equipment supporting the VIERA Link function.

■ **For the first time / When adding new equipment, reconnecting equipment or changing the setup after the connection, turn the equipment on and then switch the TV on. Select the input mode to HDMI1, HDMI2, HDMI3 or HDMI4 (p. 20), and make sure that an image is displayed correctly.**

■ HDMI cable

This function needs an HDMI compliant (fully wired) cable. Non-HDMI-compliant cables cannot be utilized.

It is recommended that you use Panasonic's HDMI cable. Recommended part number:

RP-CDHG10 (3.3 ft/1.0 m) RP-CDHG15 (4.9 ft/1.5 m), RP-CDHG20 (6.6 ft/2.0 m), RP-CDHG30 (9.8 ft/3.0 m), RP-CDHG50 (16.4 ft/5.0 m)

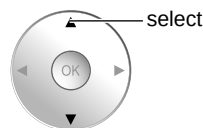
* For more detail on the external equipment's connections, please refer to the operating manuals for the equipment.

1 Follow direction ① - ⑤ in “VIERA Link setting” (p. 21)



2 Select settings

VIERA Link setting	
VIERA Link	On
Power off link	Set
Power on link	Set
Default speakers	TV



■ Press to exit from a menu screen



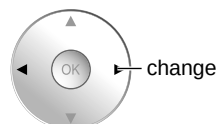
■ Press to return to the previous screen

RETURN



3 Set

VIERA Link setting	
VIERA Link	On
Power off link	Set
Power on link	Set
Default speakers	Theater



Automatic Input Switching

Power on link

Power off link

Default speakers

One-touch theater playback

Providing the setting information (for “HDAVI Control 3”)

Automatic lip-sync function (for “HDAVI Control 3”)

At the start of the DIGA, Player theater, or RAM theater playback, the TV's input automatically switches to the input based on the playback equipment.

- For the RAM theater, the speakers automatically switch to the theater system.

If using the DIGA operation, the TV's input automatically switches to the DIGA and DIGA menu is displayed.

When “Set” is selected (p. 26), TV is turned on automatically and switches to the appropriate HDMI input whenever VIERA Link compatible equipment is initially turned on and Play mode is selected.

When “Set” is selected (p. 26) and the TV is turned off, all connected VIERA Link compatible equipment is also automatically turned off.

- DIGA (Panasonic DVD Recorder) will not turn off if it is still in rec mode.

Caution: The TV remains on even if the VIERA Link compatible equipment is turned off.

“TV” is the default setting. To set the Home Theater system as default speakers, change the default speakers setting from “TV” to “Theater”. Sound will be output from the Home Theater whenever the TV is powered on.

If the “ONE TOUCH PLAY” key is pressed on the remote control for Panasonic Home Theater system, the following sequence of operations is performed automatically.

- ① Home Theater power switches On, and playback begins.
- ② TV power switches On, and the playback screen is displayed.
- ③ Audio is muted on the TV and switches to the theater system.

The following information about the TV settings can be transmitted to each equipment (Recorder/Home theater/Player) that has “HDAVI Control 3” function connected to a TV with HDMI cable.

Transmittable data		Recorder	Home theater	Player
① On Screen Display Language setting (English/Español/Français)		○	○	○
② Panel Aspect Ratio (16:9 fixed)		○	○	○
③ Closed caption information	mode	○	---	---
	CC type	○	---	---
	Digital setting	○	---	---
④ Channel information	Input signal	○	---	---
	Channel list	○	---	---
	Caption information	○	---	---

Note

- There is a possibility that all the GUI language information might be set from equipment that has HDMI CEC function connected to TV with HDMI cable. Depending on operating conditions or the specification for each piece of equipment the setting may or may not be applied.
- For the detail on external equipment's operation, please refer to the operating manuals for the equipment.

[For Recorder]

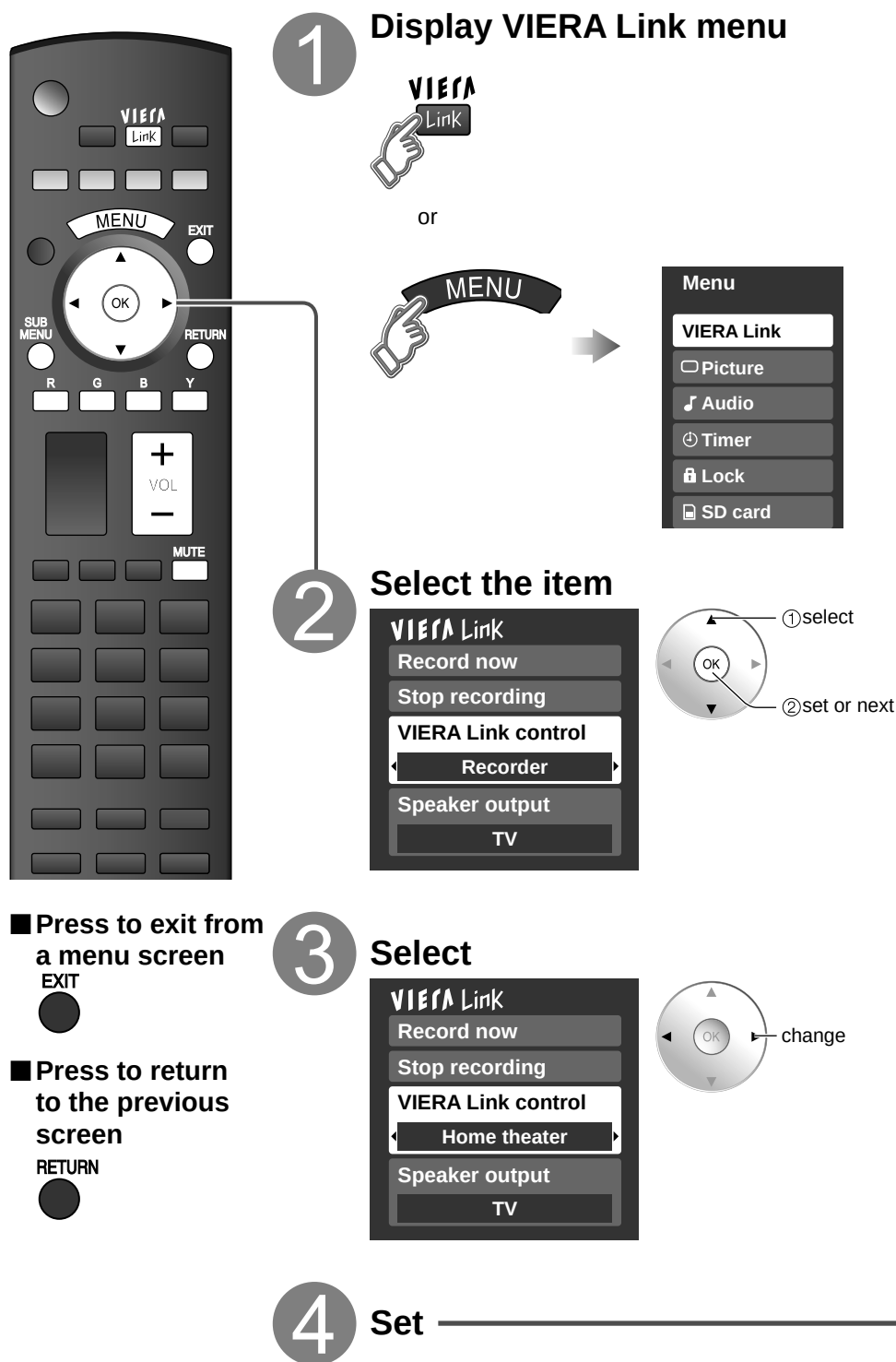
- You cannot operate other functions while transmitting TV's information above except Power On/Off key operation. When you turn off this unit, the transmission will be interrupted (only when you are transmitting ④ Channel information).

Minimizes lip-sync delays between the picture and audio when you connect to a Panasonic theater system or Amplifier.

VIERA Link™ “HDAVI Control™”

You can enjoy more convenient operation with the “HDAVI Control” function in the “VIERA Link” menu.

For more details on the of “HDAVI Control” function, refer to p. 28



Speaker control

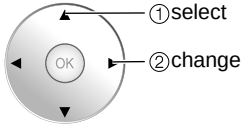
VIERA Link Control only with the TV's remote control (for “HDAVI Control 2” or “HDAVI Control 3”)

Direct TV Recording (for HDAVI control 3)

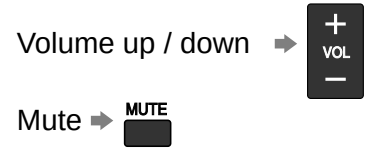
(Continued)

You can select Home theater or TV speakers for audio output.
Control theater speakers with the TV's remote control.
This function is available only when Panasonic Amplifier or Player theater is connected.

- ① Select "Speaker output"
- ② Select "Home theater" or "TV"



■ **Home theater:** Adjustment for equipment

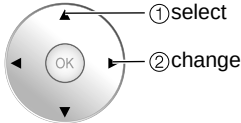


- The sound of the TV is muted.
- When the equipment is turned off, the TV speakers take over.
- Selecting "Home theater" turns the equipment on automatically if it is in standby mode.

■ **TV:** The TV speakers are on.

In the VIERA Link menu, you can select HDMI connected equipment and access it quickly. Continue using your TV's remote control to operate the equipment, pointing it at the TV.

- ① Select "VIERA Link Control"
- ② Select the equipment you want to access.
(Recorder/Home theater/Player/Camcorder)



You can select available items only.

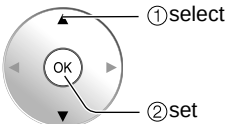
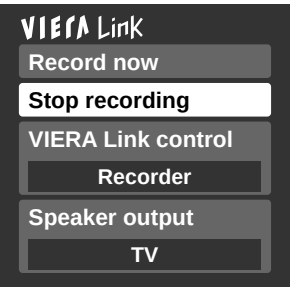
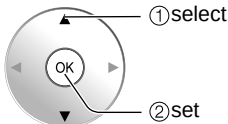
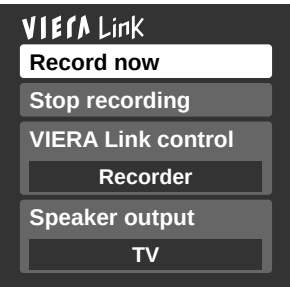
■ **Available TV's remote control buttons**

	Move the cursor/Select
	Set/Access
	Return to the previous menu
	Display the Functions menu on the equipment
	Available when the purpose of the keys is displayed on screen

- ③ **Operate the equipment with the TV's remote control, pointing it at the TV.**
 - To operate the equipment, read the manual of the equipment.

Records the current program on the recorder immediately.

- ① Select "Record now"
- ② Select "Stop recording", when you want to stop recording



- For optimal recording, the settings of the recorder might be required. For details, read the manual of the recorder.
- Recording will not stop automatically when the program is finished.

Lock

You can lock specified channels or shows to prevent children from watching objectionable content.

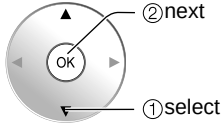


1 Display menu



2 Select "Lock"

Menu
VIERA Link
Picture
Audio
Timer
Lock
SD card
CC
Setup



3 Input your 4-digit password

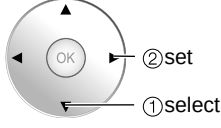
A 4-digit code must be entered to view a blocked program or change rating settings.

Create password
Enter password.
0 - 9

1	2	3
4	5	6
7	8	9
0		

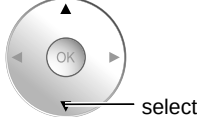
4 Select the Lock mode

Lock
Mode Off
Channel Off
Game Off
Program Off
Change password

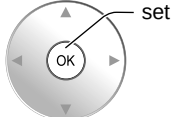


5 Select the item

Lock
Mode Custom
Channel Off
Game Off
Program Off
Change password



6 Set



You will be asked to enter your password each time you display the Lock menu.

- If it is your first time entering the password, enter the password twice in order to register it.

Off: Unlocks all the lock settings of "Channel", "Game" and "Program".

All: Locks all the inputs regardless of the lock settings of "Channel", "Game" and "Program".

Custom: Locks specified inputs of "Channel", "Game" and "Program".

- "Channel", "Game" and "Program" will grey out unless "Custom" is selected in "Mode".

■ Press to exit from a menu screen

EXIT

Caution

- Make a note of your password in case you forget it. (If you have forgotten your password, consult your local dealer.)

Note

- When you select a locked channel, a message will be displayed that allows you to view the channel if you input your password.

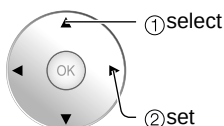
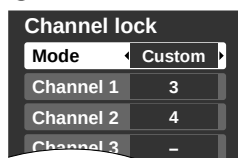
■ To select the channel or the rating of the program to be locked

Channel lock

Select up to 7 (1-7) channels to be blocked. These channels will be blocked regardless of the program rating.

① Select “Mode” and set to “Custom”

② Select channel to lock.



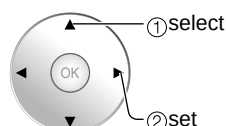
● To lock/unlock all channels:
Select “Mode” and set to “All” or “Off”.

All: Locks all channels
Off: Unlocks all channels

Game lock

Locks Channel 3, Channel 4 and external inputs.

Select “Game” in ⑤ and set to “On”.



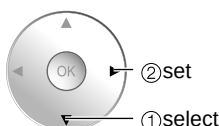
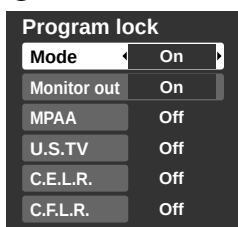
On: Locks
Off: Unlocks

Program lock

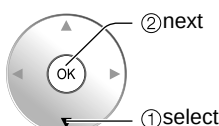
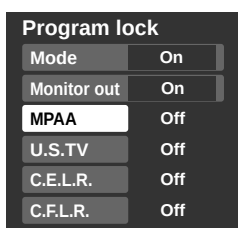
■ To set a rating level

“V-chip” technology enables restricted shows to be locked according to TV ratings.

① Select “Mode” and set to “On”.

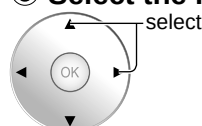


② Select the rating category you wish to follow



MPAA: U.S movie ratings
U.S.TV: U.S TV program ratings
C.E.L.R.: Canadian English ratings
C.F.L.R.: Canadian French ratings

③ Select the rating to be locked



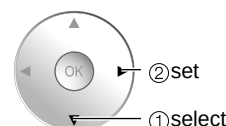
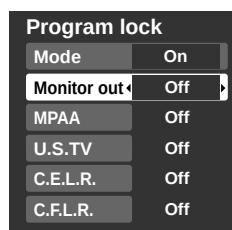
Example of “MPAA” (U.S movie ratings)

NR	No rating
G	General Audience: All ages admitted
PG	Parental Guidance Suggested
PG-13	Parents Strongly Cautioned: Inappropriate for children under 13
R	Restricted: Under 17 requires accompanying parent or adult guardian
NC-17	No one 17 and under admitted
X	Adults only

● To get more information (p. 45)

■ To disable recording of the locked program

➔ Select “Monitor out” and set to “On”.

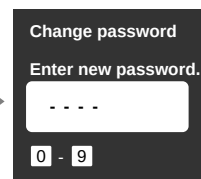
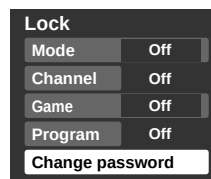


Change password

■ To change the password

① In ④, select “Change password” and press OK

② Input the new 4-digit password twice



Note

- This television is designed to support the “Downloadable U.S. Region Rating System” when available. (Available only in U.S.A.)
- The Off rating is independent of other ratings.
- When placing a lock on a specific-age-based-rating level, the Off rating and any other more restrictive ratings will also be blocked.

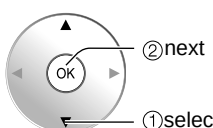
Editing and Setting Channels

The current channel settings can be changed according to your needs and reception conditions.

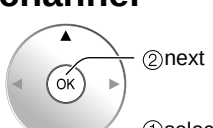
1 Display menu



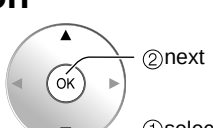
2 Select "Setup"



3 Select "Program channel"



4 Select the function



■ Press to exit from a menu screen
EXIT



5 Set

■ To reset the settings of setup menu

- ① Select "Reset" in Setup menu (3) and press OK
- ② Input your 4-digit password with number buttons
- ③ Select "YES" on the confirmation screen and press OK

Auto
Set automatically

Manual
Set manually

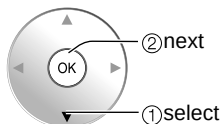
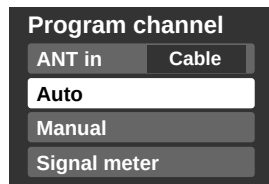
Signal meter
Check signal strength

Automatically searches and adds available channels to the memory.

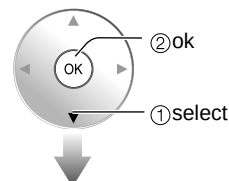
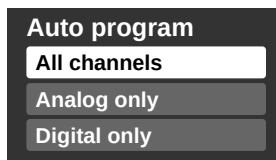
① Select “ANT in”

➔ Select Cable or Antenna (p. 15)

② Select “Auto”



③ Select a scanning mode (p. 15)



Settings are made automatically

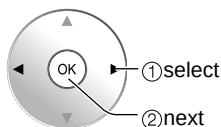
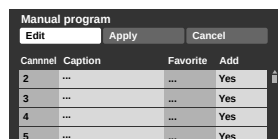
- After the scanning is completed, select “Apply”.
- (see below ⑤).
- All previously saved channels are erased.

Use this procedure when changing the channel setup or changing the channel display.

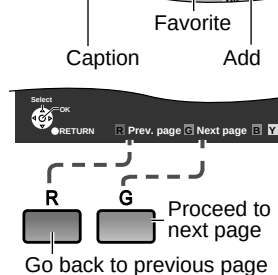
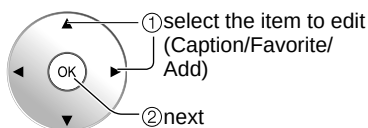
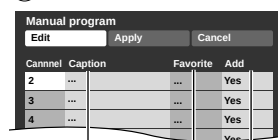
Also, use this to add or skip channels from channel list manually.

You can select channel tuning mode (Digital only/Analog only) in “Surf mode”(p. 27)

① Select “Edit”



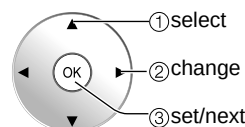
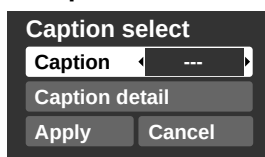
② Select the item to be edited



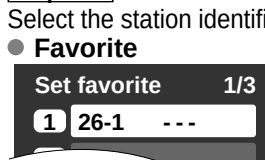
- Caption:
Changes the station identifier
- Favorite:
Registers channel to Favorite List
- Add:
Adds or skips channels

③ Edit

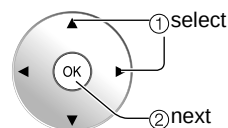
● Caption



● Favorite



Rename (maximum 7 characters available)



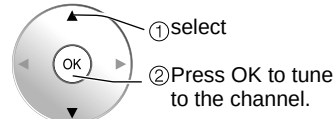
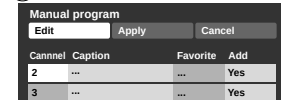
● Set favorite

● Add

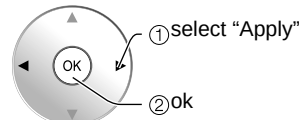
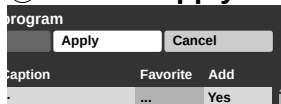
Press OK to select “Yes (add)” or “No (skip)”



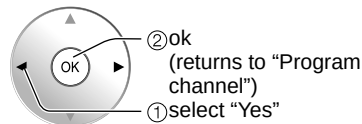
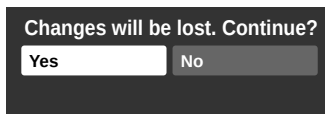
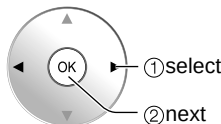
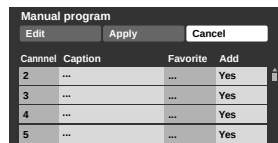
④ Move cursor to channel number



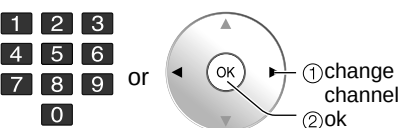
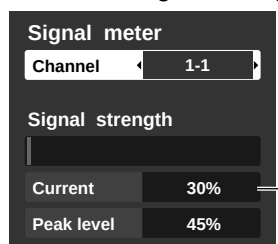
⑤ Select “Apply”



To cancel the Edit



Check the signal strength if interference is found or freezing occurs on a digital image.

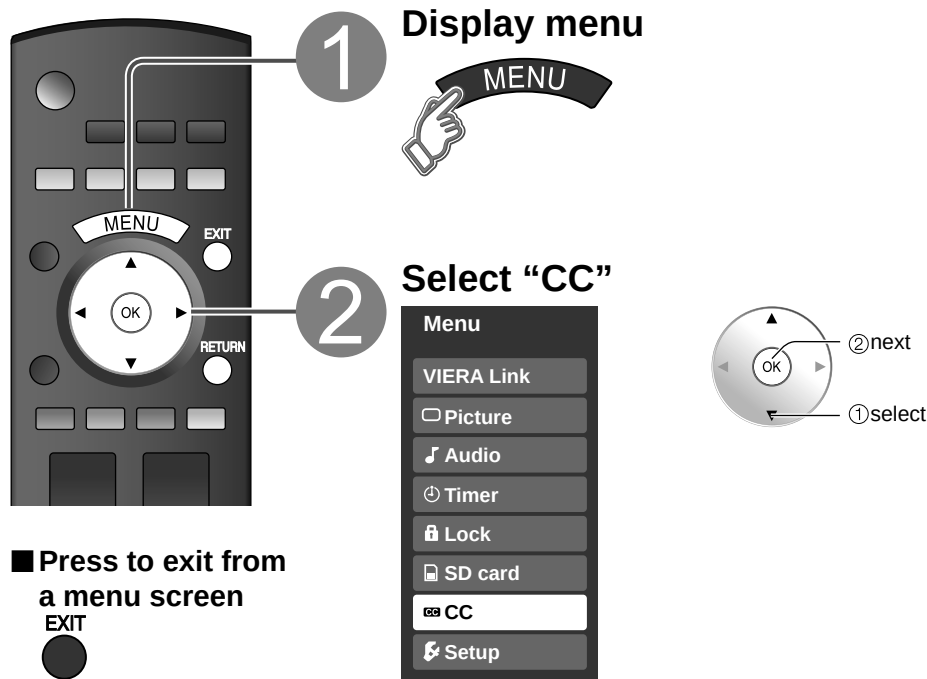


- If the signal is weak, check the antenna.
- If no problem is found, consult your local dealer.

Note

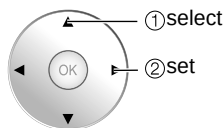
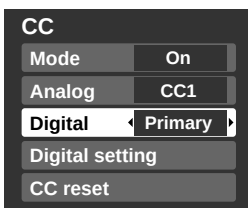
- Not available if “Cable” is selected in “ANT in” (see above).
- Available only for digital antenna channels.

Closed Caption



The television includes a built-in decoder that is capable of providing a text display of the audio. The program being viewed must be transmitting Closed Caption (CC) information. (p.46)

■ Select the item and set



- The settings in "Analog" or "Digital" depend on the broadcaster.

Mode Select "On" (when not using, select "Off").

Analog (Choose the Closed Caption service of Analog broadcasting.)

CC1-4: Information related to pictures (Appears at bottom of screen)

T1-4: Textual information (Appears over entire screen)

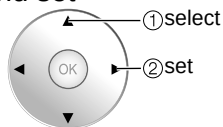
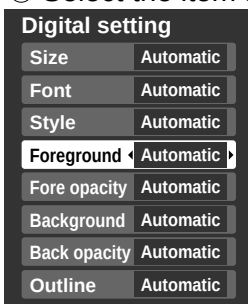
Digital (The Digital Closed Caption menu lets you configure the way you choose to view the digital captioning.)

Select the setting.

- "Primary", "Second.", "Service 3", "Service 4", "Service 5", "Service 6"

■ To make more in-depth display settings in digital programs

- ① Select "Digital setting" and press OK
- ② Select the item and set



- Size: Text size
- Font: Text font
- Style: Text style (Raised, Depressed, etc.)
- Foreground: Color of text
- Fore opacity: Opacity of text
- Background: Color of text box
- Back opacity: Opacity of text box
- Outline: Outline color of text (Identify the setting options on the screen.)

■ To reset the settings

Select "CC reset" and press OK

CC
Display
Closed
Caption

Input Labels/Monitor Out

1 Display menu and select "Setup"

2 Select "External devices"

3 Select "Input labels" or "Monitor out"

■ Press to exit from a menu screen
EXIT

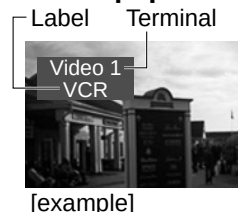
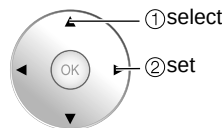
Input labels

Display labels of external devices

Devices connected to external input terminals can be labeled for easier identification during input selection. (In selecting input mode from p. 20 ②)

■ Select the terminal and label of the external equipment

Input labels	
Component 1	
Component 2	
HDMI 1	
HDMI 2	
HDMI 3	GAME
HDMI 4	
Video 1	
Video 2	GAME
PC	

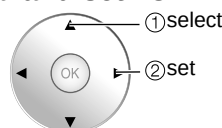


- Terminals: Comp. 1-2/HDMI 1-4/Video 1-2/PC
- Label: SKIP*/VCR/DVD/CABLE/DBS/PVR/GAME/AUX/RECEIVER/[BLANK]
- * If "SKIP" is selected, the TV/VIDEO button press will skip its input.
- Each selected labels will be displayed on "Input select" screen. (p. 20)

To prevent howling and image oscillation, stops output of the pictures and audio specified in this menu. (p. 27)

■ Select the terminal and set "Off"

Monitor out	
Component 1	On
Component 2	On
HDMI 1	On
HDMI 2	On
HDMI 3	On
HDMI 4	On
Video 1	Off
Video 2	On



- Select "Off" to stop output of picture and audio. (Video 1/Video 2)
- Component 1/Component 2/HDMI 1/HDMI 2/HDMI 3/HDMI 4 cannot output video signals regardless of "Monitor out" setting. When equipment (STB, DVD, etc.) is connected to HDMI, COMPONENT or PC terminals, no video signals can be passed through PROG OUT terminal.

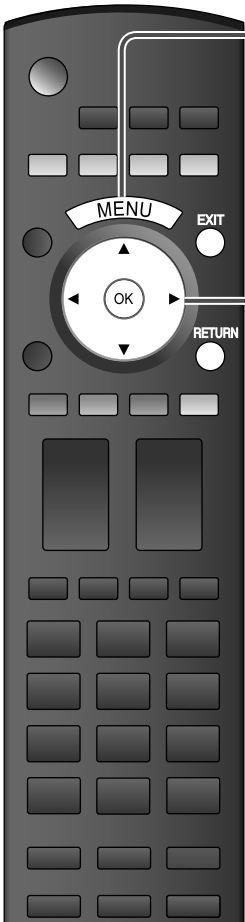
Monitor out

Stop output of the picture and audio

Using Timer

The TV can automatically turn On/Off at the designated date and time.

- The Clock must be set before On time/Off time settings. (p. 14)
- The "Sleep" timer and "On / Off timer" will not work if the "Auto power on" (p. 27) is set.

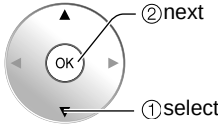


1 Display menu



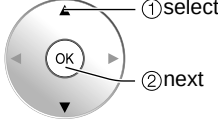
2 Select "Timer"

Menu
VIERA Link
Picture
Audio
Timer
Lock
SD card



3 Select the timer to set

Timer
Sleep
Timer 1
Timer 2
Timer 3
Timer 4
Timer 5



Sleep

Timer 1

Timer 5

Sleep Turns Off automatically

Timer 1 Turns On/Off automatically (5 timers can be set.)

4 Set the timer

■ Press to exit from a menu screen

EXIT



■ Press to return to the previous screen

RETURN



Note

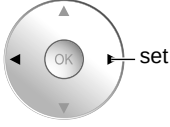
- The TV automatically turns Off after 90 minutes when turned On by the Timer. This operation will be cancelled if the Off time is selected or if a key is pressed.

■ To set "Sleep" (Off Timer)

Set to shut the unit off after a pre-selected amount of time.

- 0/30/60/90 (minutes)

Sleep
Sleep 60



■ To set "Timer 1-5" (On/Off Timer)

Select the item and set

Timer 1
Channel 310 - 1
Day EVR FRI
On time 10:00 AM
Off time 11:00 AM
Set On

1

2

3

4

5

6

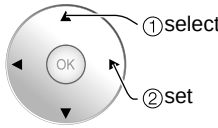
7

8

9

0

or



Channel

Day

On time

Off time

Set

Select the channel

Select the day

SUN/MON/TUE/WED/THU/FRI/SAT (displays the nearest future date)

MON-FRI/SAT-SUN/DAILY/EVR SUN/EVR MON/EVR TUE/EVR WED/EVR THU/EVR FRI/ EVR SAT

The time to turn On

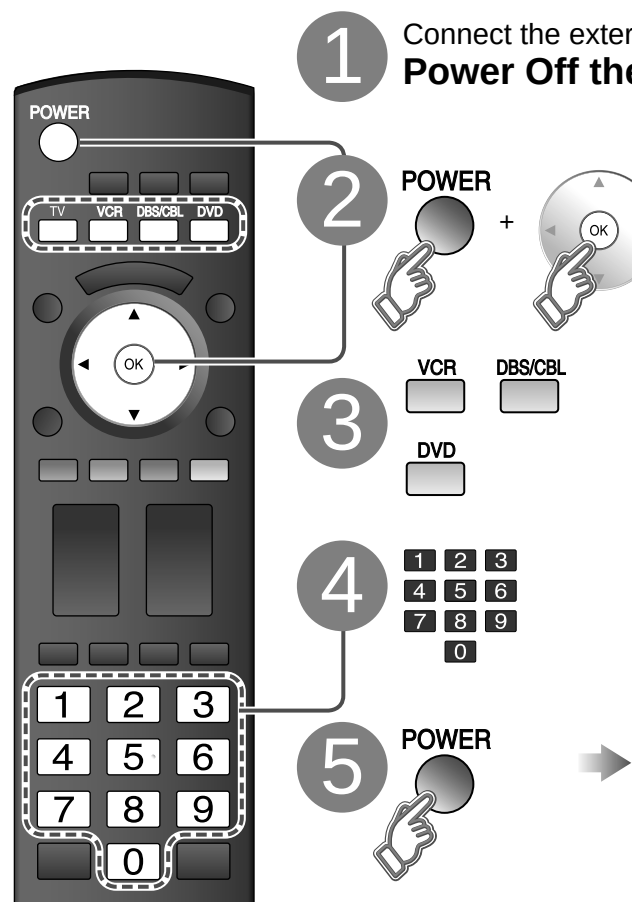
The time to turn Off

Timer setting (On/Off)

38

Programming the Remote to Operate Peripheral Equipment

You can operate other manufacturers' equipment using this TV's remote control.



- 1** Connect the external equipment to the TV and **Power Off the external equipment**
- 2** **Press both buttons simultaneously for more than 3 seconds.**
 - Release the buttons when the equipment selection buttons start flashing.
- 3** **Select the equipment** with the equipment selection button
 - The selected button remains lit (other buttons are not lit).
- 4** **Input the equipment's 4-digit remote control code** (p. 43-44)
- 5** **Operate the equipment with the remote control** (p. 42)
 - The external equipment turns On.

■ **Press to return to the TV mode**

TV

Caution

- Registration will fail if the wrong code is input or it takes more than 30 seconds to register.

To find a code not listed in the code list

This procedure searches all codes and is called the "sequence method."

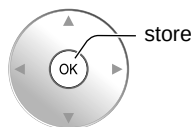
① After step ③ above, change the code and test



➔ Operate the equipment with the remote control (p. 42)

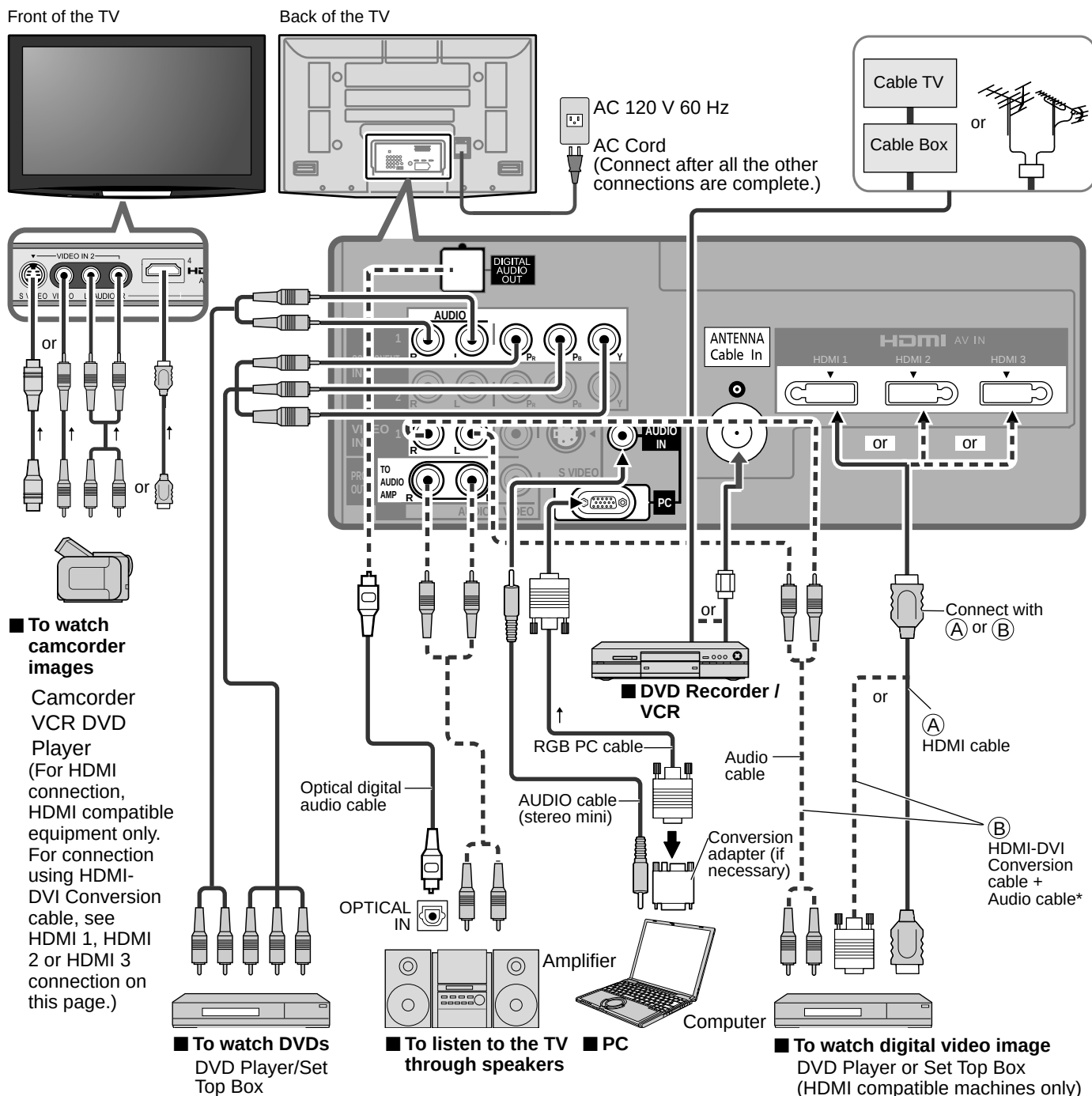
- Repeat until the code is found
- It may take many attempts before the correct code is found

② When the correct code is found



Recommended AV Connections

These diagrams show our recommendations on how to connect the TV unit to your various equipment. For other connections, consult the instructions for each piece of equipment and its specifications. For additional assistance, please visit our website at: www.panasonic.com
www.panasonic.ca



Note

- The picture and audio input signals connected to a terminal specified in "Monitor out" (p. 37) cannot be output from "PROG OUT" terminals. However, audio output can be obtained from "DIGITAL AUDIO OUT" terminal.
 - To prevent howling and image oscillation, set the "Monitor out" setting when connecting the VCR with loop-connection. (p. 26, 37)
 - When equipment (STB, DVD, etc.) is connected to HDMI, COMPONENT or PC terminals, no video signals can be passed through PROG OUT terminal.
 - When receiving digital channel signals, all digital formats are down-converted to composite NTSC video to be output through the PROG OUT terminals.
- * Please see p. 24-25 for setup when using an external analog audio cable with an HDMI to DVI cable.

Follow the connection diagrams below for HDAVI control of a single piece of AV equipment such as a Panasonic DVD recorder (DIGA), RAM theater, or Player theater system. Refer to page 28-31 for Setup Menu settings and additional control information.

- Optional HDMI and/or optical cables are not included.

If connection (or setting) of equipment compatible with HDAVI control is changed, switch the power of this unit Off and On again while the power of all equipment is On (so that the unit can correctly recognize the connected equipment) and check that DVD recorder (DIGA), RAM theater, and Player theater playback operate.

Note

- HDMI 1 is recommended.

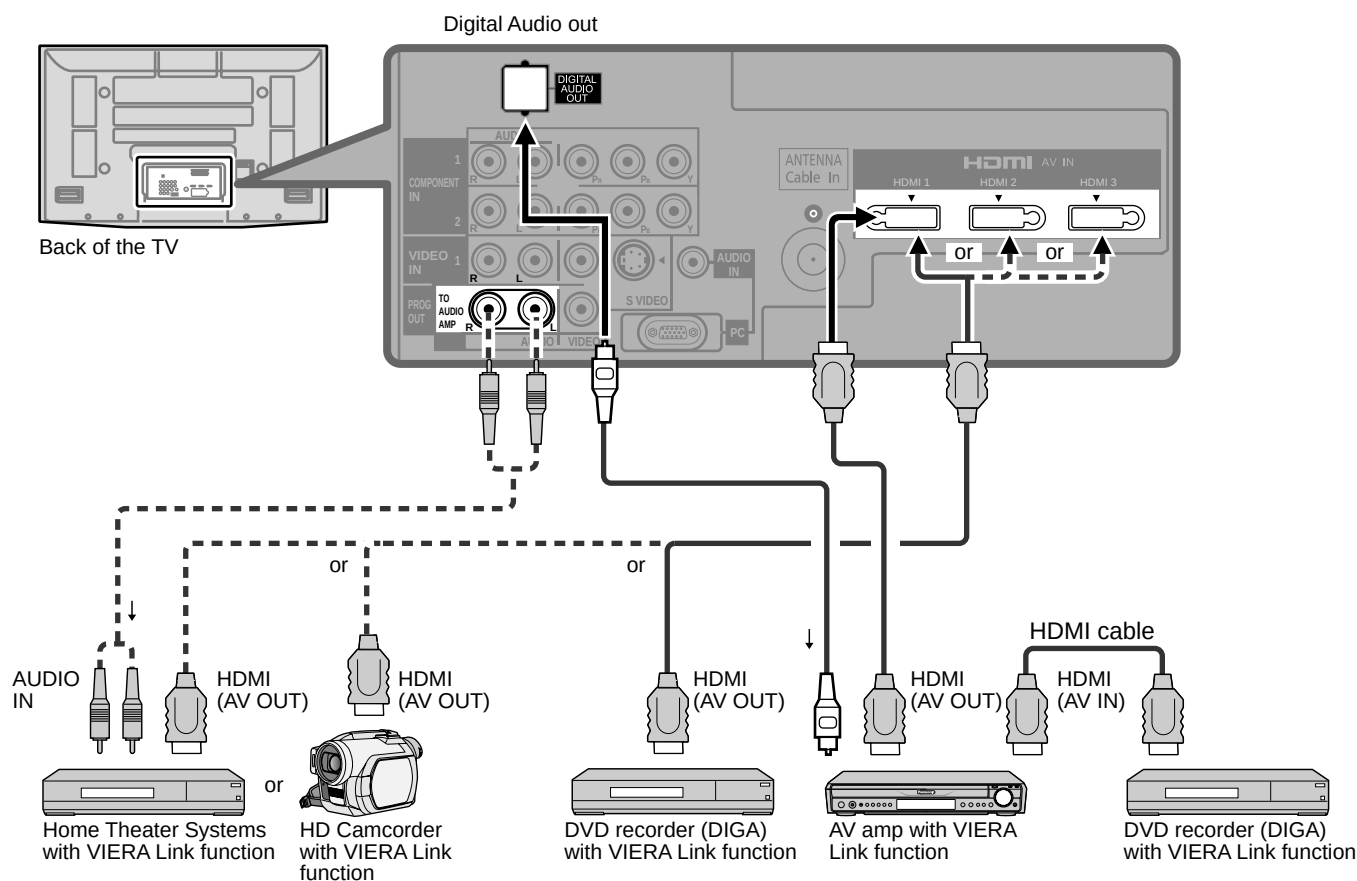
When connecting to HDMI 2/HDMI 3/HDMI 4, set the input mode to HDMI 2/HDMI 3/HDMI 4 (p. 20) initially before connecting to HDMI 2/HDMI 3/HDMI 4. After connection, confirm the HDMI control functions (p. 28-31).

■ Connecting this unit to the DVD recorder (DIGA), RAM theater, or Player theater

- For DVD recorder (DIGA): Connect with HDMI cable
- For RAM theater and Player theater: Connect with the HDMI and audio cables. If audio cable is not connected, you cannot listen to the TV program through the theater system.

■ Connecting this unit to a DVD recorder (DIGA) and AV amp

When using an "VIERA Link" audio-video amplifier and a compatible DVD recorder (DIGA) use a daisy chain connection as shown below.



- One AV amp and one DVD recorder (DIGA) can be operated with this unit.
- Refer to the diagram above when connecting a DVD recorder/player and an AV amp to your Viera Television.

■ Setting of this unit after connection

After making connections as shown above, set "VIERA Link" (under "VIERA Link setting") to "On" using the Setup menu. (p. 21, 26-27).

Note

- Individual HDMI equipment may require additional menu settings specific to each model. Please refer to their respective operating instruction manuals.
- When audio from other equipment connected to this unit via HDMI is output using "DIGITAL AUDIO OUT" of this unit, the system switches to 2CH audio. (When connecting to an AV amp via HDMI, you can enjoy higher sound quality.)
- About HDMI cable for connecting Panasonic HD camcorder, read the manual of the equipment.

Remote Control Operation/Code List

The following explains how to operate external devices with the TV's remote control.

- Register the remote control codes (p. 39) if you want to operate an external device from another manufacturer. (p. 43-44)

Note

- Operation may not be possible depending on the available memory size of the remote control.
This remote control is not designed to cover operation of all functions of all models.

■ Remote Control Operation List

This chart defines which keys are operational after programming (if needed) while in the selected remote control mode, CABLE, DBS, VCR, or DVD.

KEY NAME	VCR MODE	DBS/CBL MODE		DVD MODE
		(DBS)	(CBL)	
 POWER	Power	Power	Power	Power
 SAP	—	LIST	LIST	DVD AUDIO
 TV VIDEO	TV Input Switch	TV Input Switch	TV Input Switch	TV Input Switch
 MENU	—	Menu	Menu	Functions
 EXIT	—	Exit	Exit	—
	—	Up/Down/Left/Right	Up/Down/Right/Left	Up/Down/Right/Left
	—	Select	Select	Enter
 SUB MENU	—	Guide	Guide	Sub Menu
 RETURN	—	PPV/VOD	PPV/VOD	Return
 R	—	Red	A	Red
 G	—	Green	B	Green
 B	—	Blue	C	Blue
 Y	—	Yellow	D	Yellow
	Channel Up/Down	Channel Up/Down	Channel Up/Down	Channel Up/Down
	TV Volume Up/Down	TV Volume Up/Down	TV Volume Up/Down	TV Volume Up/Down
 FORMAT	—	Aspect	Aspect	—
 FAVORITE	—	Favorite	Favorite	Direct Navigator
 INFO	Onscreen Display	Info	Info/Display/OSD	Onscreen Display
 MUTE	TV Mute	TV Mute	TV Mute	TV Mute
	0-9	0-9	0-9	0-9
 LAST	—	Last Channel	Last Channel	Drive Select
	—	Sub Channel	Music	PROG (Sub Channel)
	—	Page Down/Up	Page Down/Up	Skip Reverse/Forward
 TV/VCR GAME	TV/VCR Switch	TV/DBS Switch	TV/CBL Switch	—
	Rewind/Fast Forward	Rewind/Fast Forward	Rewind/Fast Forward	Reverse/Forward
 REC	VCR Record	PVR Record *1	PVR Record *1	Record
 STOP	Stop	Stop	Stop	Stop
 PAUSE	Pause	Pause	Pause	Pause
 PLAY	Play	Play	Play	Play

*1: Combination type

Remote Control Code List

Cable Converter (C) ()

Brand	Code	Brand	Code	Brand	Code	Brand	Code
ABC	0003, 0007, 0008	Hytex	0007	Philips	0317, 1305	Supercable	0276
ADB	2092	i3 Micro	1602	Pioneer	0144, 0533, 0877, 1877	Supermax	0883
Americast	0899	Jerrold	0003, 0012, 0276, 0476, 0810	Pulsar	0000	Thomson	1256
Amino	1602, 1822	Memorex	0000	Quasar	0000	Tocom	0012, 0059
Bell South	0899	Motorola	0276, 0476, 0810, 1106, 1187, 1254, 1376, 1951	RadioShack	0883	Torx	0003
Clearmaster	0883	MTS	1951	RCA	0021, 1256	Toshiba	0000
ClearMax	0883	Multitech	0883	Regal	0273, 0279	Tristar	0883
Contec	0019	Myrio	1602, 1822	Runco	0000	United Artists	0007
Coolmax	0883	Oak	0007, 0019	Samsung	0144	V2	0883
Digeo	1187	Optimus	0021	Scientific Atlanta	0008, 0477, 0877, 1877	Viewmaster	0883
Director	0476	Pace	0008, 0237, 1877	Sejin	1602	Vision	0883
General Instrument	0003, 0276, 0476, 0810	Panasonic	0000, 0021, 0107, 0623	Sony	1006	Vortex View	0883
GoldStar	0144	Paragon	0000	Sprucer	0021	Zenith	0000, 0525, 0899
Hamlin	0009, 0273			Starcom	0003		

Cable/PVR Combination (C) ()

Americast	0899	Jerrold	0810	Pioneer	0877, 1877	Supercable	0276
Amino	1822	Motorola	0810, 1106, 1187, 1376	RCA	1256	Thomson	1256
Digeo	1187	Myrio	1822	Scientific Atlanta	0877, 1877	Zenith	0899
General Instrument	0810	Pace	0237, 1877	Sony	1006		

Satellite Receiver (S) ()

AlphaStar	0772	GE	0566	Magnavox	0722, 0724	RCA	0143, 0566, 0855, 1392
Bell ExpressVu	0775, 1170	General Instrument	0869	Memorex	0724	Samsung	1108, 1109, 1276, 1377, 1442, 1609
Chaparral	0216	GOI	0775, 1775	Mitsubishi	0749	Sanyo	1219
Coolsat	1806	Goodmans	1246	Motorola	0869	Sony	0639, 1639, 1640
Crossdigital	1109	Hisense	1535	NEC	1270	Star Choice	0869
DirecTV	0099, 0247, 0392, 0566, 0639, 0724, 0749, 0819, 1076, 1108, 1109, 1142, 1189, 1377, 1392, 1414, 1442, 1443, 1444, 1609, 1639, 1640, 1749, 1856	Hitachi	0819, 1250	Next Level	0869	Tivo	1142, 1442, 1443, 1444
Dish Network System	0775, 1005, 1170, 1505, 1775	HTS	0775, 1775	Panasonic	0152, 0247, 0701, 1189, 1786	Toshiba	0749, 0790, 1285, 1749
Dishpro	0775, 1005, 1505, 1775	Hughes Network Systems	0749, 1142, 1442, 1443, 1444, 1749	Pansat	1807	UltimateTV	1392, 1640
Echostar	0775, 1005, 1170, 1505, 1775	Humax	1781, 1790	Paysat	0724	Ultrasat	1806
Expressvu	0775, 1775	iLo	1535	Philips	0099, 0722, 0724, 0749, 0856, 1076, 1142, 1442, 1749	Uniden	0722, 0724
Fortec Star	1821, 1948	Janeil	0152	Proscan	0392, 0566	US Digital	1535
		JVC	0775, 1170, 1775	Proton	1535	USDTV	1535
		LG	1226, 1414	RadioShack	0869	Voom	0869
						Zenith	1810, 1856

DBS/PVR Combination (S) ()

Bell ExpressVu	0775, 1170	Echostar	0775, 1170, 1505	Motorola	0869	Sony	0639, 1640
DirecTV	0099, 0392, 0639, 1076, 1142, 1377, 1392, 1442, 1443, 1444, 1640	Expressvu	0775	Philips	1142, 1442	Star Choice	0869
Dish Network System	0775, 1505	Hughes Network Systems	1142, 1442, 1443, 1444	Proscan	0392	Tivo	1142, 1442, 1443, 1444
Dishpro	0775, 1505	JVC	1170	RCA	1392	Zenith	1810
				Samsung	1442		

VCR (V) ()

ABS	1972	GE	0035, 0060, 0202, 0240, 0761, 0807, 1035, 1060, 2613	MTC	0000, 0240	Sansui	0000, 0041, 0067, 0209, 0479, 1479
Accurian	0000	Go Video	0432, 0526, 0614, 0643, 1137	Multitech	0000, 0072	Sanyo	0046, 0047, 0104, 0159, 0240
Admiral	0048, 0209	GoldStar	0037, 0038, 1137, 1237	NEC	0038, 0040, 0041, 0050, 0067, 0104	Scott	0043, 0045, 0121, 0184, 0212
Adventura	0000	Gradiente	0000	Nikko	0037	Sears	0000, 0035, 0037, 0042, 0046, 0047, 0104, 0105, 1237
Aiko	0278	Harley Davidson	0000	Nikon	0034	Sharp	0048, 0807, 0848
Aiwa	0000, 0037, 0124, 0307, 0468	Harman/Kardon	0038, 0075, 0081	Niveus Media	1972	Shintom	0072
Akai	0041, 0061, 0106, 0175, 0242	Harwood	0068, 0072	Noblex	0240	Shogun	0240
Alienware	1972	Headquarter	0046	Northgate	1972	Singer	0072
Allegro	1137	Hewlett Packard	1972	Olympus	0035, 0226	Sonic Blue	0614, 0616, 1137
America Action	0278	Hi-Q	0047	Onkyo	0222	Sony	0000, 0032, 0033, 0034, 0035, 0636, 1032, 1972
American High	0035	Hitachi	0000, 0041, 0042, 0089, 0105, 2613	Optimus	0037, 0048, 0104, 0162, 0432, 0593, 1048, 1062, 1162, 1262	Stack 9	1972
Asha	0240	Howard Computers	1972	Orion	0002, 0184, 0209, 0479, 1479	STS	0042
Audio Dynamics	0040	HP	1972	Panasonic	0035, 0077, 0102, 0162, 0225, 0228, 0227, 0246, 0378, 0485, 0614, 0616, 0837, 1035, 1062, 1162, 1244, 1262, 1562, 1807, 1808, 1809	Sylvania	0000, 0035, 0043, 0081, 0110, 0593, 1593, 1781
Audiovox	0037, 0278	Hughes Network Systems	0042, 0739	Penney	0035, 0037, 0038, 0040, 0042, 0240, 1035, 1237	Symphonic	0000, 0593, 1593
Beaumark	0240	Humax	0739, 1797, 1988	Pentax	0042, 0105,	Systemax	1972
Bell & Howell	0104	Hush	1972	Philco	0035	Tagar Systems	1972
Broksonic	0002, 0121, 0184, 0209, 0348, 0479, 1479	IBUYPOWER	1972	Philips	0035, 0081, 0110, 0618, 0739, 1081, 1181	Tashiko	0037
Calix	0037	Instant Replay	0035, 0226	Pilot	0037	Tatung	0041
Canon	0035, 0102	Jensen	0041	Pioneer	0067, 1337	Teac	0000, 0041
Captive Works	2167	JVC	0008, 0041, 0067, 2079	Polk Audio	0081	Technics	0035, 0162, 0246
Carver	0081	KEC	0037, 0278	Presidian	1593	Teknika	0000, 0035, 0037
CCE	0072, 0278	Kenwood	0038, 0041, 0067	Profitronic	0240	Thomas	0000
CineVision	1137	KLH	0072	Proscan	0060, 0202, 0761, 1060	Tivo	0618, 0636, 0739, 1337, 1996
Citizen	0037, 0278, 1278	Kodak	0035, 0037	Protec	0072	TMK	0208, 0240
Colt	0072	LG	1037, 1137, 2010	Pulsar	0039	Toshiba	0043, 0045, 0212, 0845, 1008, 1145, 1972, 1988, 1996
Craig	0037, 0047, 0072, 0240	Linksys	1972	Quartz	0046	Totevision	0037, 0240
Curtis Mathes	0035, 0041, 0060, 0162, 1035	Lloyd's	0000, 0208	Quasar	0035, 0077, 0162, 1035, 1162	Touch	1972
Cybernex	0240	Logik	0072	RadioShack	0000, 1037	Unitech	0240
CyberPower	1972	LXI	0037	Radix	0037	Vector	0045
Daewoo	0045, 0278, 0561, 0637, 1137, 1278	Magnasonic	0593, 1278	Randex	0037	Vector Research	0038, 0040
DBX	0040, 0050	Magnavox	0000, 0035, 0039, 0081, 0110, 0149, 0563, 0593, 1335, 1593, 1781	RCA	0042, 0060, 0077, 0105, 0106, 0149, 0202, 0240, 0761, 0807, 0880, 1035, 1060, 2613	Video Concepts	0040, 0045, 0061
Dell	1972	Magnin	0240	Realistic	0000, 0035, 0037, 0046, 0047, 0048, 0104	Videomagic	0037
Denon	0042	Marantz	0035, 0081	ReplayTV	0614, 0616	Videosonic	0240
Dimensia	2613	Marta	0037	Ricoh	0034	Viewsonic	1972
DirecTV	0739	Matsushita	0035, 0162, 1162	Rio	1137	Villain	0000
Durabrand	0038, 0039	Media Center PC	1972	Runco	0039	Voodoo	1972
Dynatech	0000	MEI	0035	Salora	0075	Wards	0000, 0035, 0042, 0047, 0048, 0060, 0072, 0081, 0149, 0212, 0240
Electrohome	0037	Memorex	0000, 0035, 0037, 0039, 0046, 0047, 0048, 0104, 0162, 0209, 0240, 0307, 0348, 0479, 1037, 1162, 1237, 1262	Samsung	0045, 0240, 0739, 1014	White Westinghouse	0072, 0209, 0637
Electrohome	0037	MGA	0043, 0061, 0240	Samtron	0643	XR-1000	0000, 0035, 0072
Emerech	0032	MCN Technology	0240,	Sanky	0039, 0048	Yamaha	0038
Emerson	0000, 0002, 0037, 0043, 0061, 0068, 0121, 0184, 0208, 0209, 0212, 0278, 0479, 0561, 0593, 0637, 1278, 1479, 1593	Microsoft	1972			Zenith	0000, 0033, 0034, 0039, 0209, 0479, 0637, 1137, 1139, 1479
ESA	1137	Mind	1972			ZT Group	1972
Fisher	0047, 0104	Minolta	0042, 0105				
Fuji	0033, 0035	Mitsubishi	0043, 0061, 0067, 0075, 0173, 0214, 0242, 0443, 0807				
Funai	0000, 0593, 1335, 1593	Motorola	0035, 0048				
Garrard	0000						
Gateway	1972						

Remote Control Operation/Code List (Continued)

Remote Control Code List

DBS/PVR Combination (V) ()

Brand	Code	Brand	Code	Brand	Code	Brand	Code
DirectTV	0739	Hughes Network Systems	0739	Philips	0739	Tivo	0739
				Samsung	0739		

DVD-Recorder (V) ()

Magnavox	0000
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PVR (V) ()

ABS	1972	Hughes Network Systems	0739	Northgate	1972	Tagar Systems	1972
Alienware	1972			Panasonic	0614, 0616, 1807, 1808, 1809	Tivo	0618, 0636, 0739, 1337
Captive Works	2167	Humax	0739, 1797, 1988	Philips	0618, 0739	Toshiba	1008, 1972, 1988, 1996
CyberPower	1972	Hush	1972	Pioneer	1337	Touch	1972
Dell	1972	iBUYPOWER	1972	RCA	0880	Viewsonic	1972
DirectTV	0739	LG	2010	ReplayTV	0614, 0616	Voodoo	1972
Gateway	1972	Linksys	1972	Samsung	0739	ZT Group	1972
Go Video	0614	Media Center PC	1972	Sonic Blue	0614, 0616		
Hewlett Packard	1972	Microsoft	1972	Sony	0636, 1972		
Howard Computers	1972	Mind	1972	Stack 9	1972		
HP	1972	Niveus Media	1972	Systemax	1972		

DVD (Y) ()

Accurian	0675, 1072, 1416	Emerson	0591, 0675, 1268	Malata	0782, 1159	Sampo	0698, 0752
Adcom	1094	Enterprise	0591	Marantz	0539	Samsung	0199, 0490, 0573, 0820, 0899, 1044, 1075, 1470
Aiwa	0641	ESA	1268	McIntosh	1273		
Akai	0695, 0770, 0899, 1089	Fisher	0670	Memorex	0695, 0831, 1270	Sansui	0695
Alco	0790	Funai	0675, 1268, 1334	Microsoft	0522, 1708, 2083	Sanyo	0670, 0695, 0873
Allegro	0869	Gateway	1073, 1077, 1158	Mintek	0717, 0839, 1472	Sensory Science	1158
Amphion Media Works	0872, 1245	GE	0522, 0717, 0815	Mitsubishi	0521, 1521	Sharp	0630, 0675, 0752, 1256
AMW	0872, 1245	Go Video	0715, 0741, 0744, 0783, 0833, 0869, 1044, 1075, 1099, 1144, 1158, 1304, 1730	Momitsu	1082	Sharper Image	1117
Apex Digital	0672, 0717, 0755, 0794, 0796, 0797, 1004, 1020, 1056, 1061, 1100			NAD	0692, 0741	Shenwood	0633, 0770, 1043, 1077
Arrgo	1023	Go Vision	1072	Nakamichi	1222	Shinonic	0533, 0839
Aspire Digital	1168, 1407	GoldStar	0741	NEC	0785	Sigma Designs	0674
Astar	1678, 1679	GPX	0699, 0769	Nesa	0717	Sonic Blue	0869, 1099
Audiologic	0736	Greenhill	0717	Next Base	0826	Sony	0533, 0864, 1033, 1069, 1070, 1431, 1432, 1433, 1516, 1533, 1536, 1548, 1791, 1824, 1892, 1903, 1904, 1934, 1981, 2020, 2043
Audiovox	0790, 1041, 1072, 1121, 1122	Harman/Kardon	0582, 0702	NexxTech	1402		
Axion	1072	Helios	2080	Norcent	0872, 1003, 1107, 1265	Sova	1122
B & K	0655, 0662	Hello Kitty	0831	Nova	1517	Sungale	1074
BBK	1224	Hitachi	0573, 0664, 1247	Onkyo	0503, 0627, 0792, 1769	SVA	0860, 1105
Bel Canto Design	1571	Hiteker	0672	Oppe	0575, 1224 1525	Sylvania	0675, 1268
Blaupunkt	0717	Humax	1500, 1588	OptoMedia Electronics	0896	Symphonic	0675
Blue Parade	0571	iLo	1348, 1472	Ortron	0651	TAG McLaren	0894
Broksonic	0695, 1419	Initial	0717, 1472	Panasonic	0458, 0490, 0632, 0703, 1010, 1011, 1362, 1462, 1464, 1490, 1641, 1762, 1907, 1908, 1909, 1910, 1925, 1986, 1990, 2017, 2060, 2061, 2062	Teac	0790
CAVS	1057	Insignia	1268, 2095			Technics	0490, 0703
Cinea	0831	Integra	0627	Philco	0675	Technosonic	0730
Cinego	1399	Jaton	1078	Philips	0503, 0539, 0646, 0675, 1267, 1340, 1354, 2056, 2084	Techwood	0692
CineVision	0833, 0869, 0876	JBL	0702	Pioneer	0142, 0525, 0571, 0631, 0632, 1571	Terapin	1031
Citizen	0695, 1277, 1587, 2116	JSI	1423	Polaroid	1020, 1061, 1086, 1245, 1316, 1478, 2130	Theta Digital	0571
Coby	0778, 0852, 1086, 1107, 1165, 1177, 1351, 1628	JVC	0558, 0623, 0867, 1164, 1275, 1550, 1602			Tivo	1503
Craig	0831	jWin	1049, 1051, 1675	Polk Audio	0539	Toshiba	0503, 0695, 1045, 1154, 1503, 1588, 1608, 1769, 1854
Curtis Mathes	1087	Kawasaki	0790	Portland	0770	Tredex	0799, 0800, 0803, 0804
CyberHome	0816, 0874, 1023, 1024, 1117, 1129, 1502, 1537	Kenwood	0490, 0534, 0682	Presidian	0675, 1072	Urban Concepts	0503
Daewoo	0705, 0784, 0833, 0869, 1169, 1172, 1234, 1242, 1441	KLH	0717, 0790, 1020, 1149	Princeton	0674	US Logic	0839
Denon	0490, 0634, 1634	Konka	0711, 0721	Proscan	0522	Venturer	0790
Desay	1407	Koss	0651, 0896, 1423	ProVision	0778	Vizio	1064, 1226
Diamond Vision	1316	Landel	0826	Qwestar	0651	Vocopro	1027, 1360
Disney	0675, 1270	Lasonic	0798, 1173	RCA	0522, 0571, 0717, 0790, 0822, 1022, 1132, 1769	Xbox	0522, 1708, 2083
Dual	1068, 1085	LG	0591, 0741, 0869			Xwave	1001
Durabrand	1127	LiteOn	1058, 1158, 1416, 1440, 1656	Rio	0869	Yamaha	0490, 0497, 0539, 0545
DVD2000	0521	Loewe	0511	RJTech	1360	Zenith	0503, 0591, 0741, 0869
Electrohome	2116	Magnavox	0503, 0539, 0646, 0675, 1268, 1354, 1472, 1506	Rotel	0623, 1178	Zoece	1265
				Rowa	0823		

DVD-Recorder (Y) ()

Accurian	0675, 1416	Funai	0675, 1334	Panasonic	0490, 1010, 1011, 2060, 2061, 2062	Sony	1033, 1069, 1070, 1431, 1432, 1433, 1536
Apex Digital	1056	Gateway	1073, 1158	Philips	0646, 1340		
Aspire Digital	1168	Go Video	0741, 1158, 1304, 1730	Pioneer	0631	Sylvania	0675
Broksonic	1419	iLo	1348	Polaroid	1086, 2130	Toshiba	1588
Citizen	2116	JVC	1164, 1275	RCA	0522	Zenith	0741
Coby	1086	LG	0741	Samsung	0490, 1470		
CyberHome	1129, 1502	LiteOn	1158, 1416, 1440	Sensory Science	1158		
Electrohome	2116	Magnavox	0646, 0675, 1506	Sharp	0675		

Blu-ray Disc (Y) ()

LG	0741	Philips	2084	Samsung	0199
Panasonic	1641, 2061, 2062	Pioneer	0142	Sony	1516

HD-DVD (Y) ()

LG	0741	Onkyo	1769	RCA	1769	Toshiba	1769
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HTiB (Y) ()

Aiwa	0641	Panasonic	0458, 1779, 1907, 1908, 1909, 1910, 1925, 1990, 2017	Rio	0869	Teac	0790
Audiovox	0790			Sherwood	1077	Toshiba	1854
KLH	0790	Philips	1267	Sonic Blue	0869	Venturer	0790
Koss	0651	Polk Audio	0539	Sony	1824, 1892, 1903, 1904, 1934, 1981, 2020, 2043	Yamaha	0497
Ortron	0651	RCA	0790				

Ratings List for Lock

“V-chip” technology enables you to lock channels or shows according to standard ratings set by the entertainment industry. (p. 33)

■ U.S. MOVIE RATINGS (MPAA)

NR	NO RATING (NOT RATED) AND NA (NOT APPLICABLE) PROGRAMS. Movie which has not been rated or where rating does not apply.
G	GENERAL AUDIENCES. All ages admitted.
PG	PARENTAL GUIDANCE SUGGESTED. Some material may not be suitable for children.
PG-13	PARENTS STRONGLY CAUTIONED. Some material may be inappropriate for children under 13.
R	RESTRICTED. Under 17 requires accompanying parent or adult guardian.
NC-17	NO ONE 17 AND UNDER ADMITTED.
X	ADULTS ONLY.

■ U.S. TV PROGRAMS RATINGS (U. S. TV)

Age-based Group	Age-based Ratings	Possible Content Selections	Description
NR (Not Rated)	TV-NR	- Viewable - Blocked	Not Rated.
Youth	TV-Y	- Viewable - Blocked	All children. The themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6.
	TV-Y7	- FV Blocked - Viewable - Blocked	Directed to older children. Themes and elements in this program may include mild physical or comedic violence, or may frighten children under the age of 7.
Guidance	TV-G	- Viewable - Blocked	General audience. It contains little or no violence, no strong language, and little or no sexual dialogue or situations.
	TV-PG	- D, L, S, V (all selected) - Any combination of D, L, S, V	Parental guidance suggested. The program may contain infrequent coarse language, limited violence, some suggestive sexual dialogue and situations.
	TV-14	- D, L, S, V (all selected) - Any combination of D, L, S, V	Parents strongly cautioned. This program may contain sophisticated themes, sexual content, strong language and more intense violence.
	TV-MA	- L, S, V (all selected) - Any combination of L, S, V	Mature audiences only. This program may contain mature themes, profane language, graphic violence, and explicit sexual content.

FV: Fantasy/Cartoon Violence. V: Violence S: Sex L: Offensive Language D: Dialogue with sexual content.

■ CANADIAN ENGLISH RATINGS (C. E. L. R.)

E	Exempt - Exempt programming includes: news, sports, documentaries and other information programming, talk shows, music videos, and variety programming.
C	Programming intended for children under age 8. No offensive language, nudity or sexual content.
C8+	Programming generally considered acceptable for children 8 years and over. No profanity, nudity or sexual content.
G	General programming, suitable for all audiences.
PG	Parental Guidance suggested. Some material may not be suitable for children.
14+	Programming contains themes or content which may not be suitable for viewers under the age of 14. Parents are strongly cautioned to exercise discretion in permitting viewing by pre-teens and early teens.
18+	18+ years old. Programming restricted to adults. Contains constant violence or scenes of extreme violence.

■ CANADIAN FRENCH RATINGS (C. F. L. R.)

E	Exempt - Exempt programming.
G	General - Programming intended for audience of all ages. Contains no violence, or the violence content is minimal or is depicted appropriately.
8 ans+	8+ General - Not recommended for young children. Programming intended for a broad audience but contains light or occasional violence. Adult supervision recommended.
13 ans+	Programming may not be suitable for children under the age of 13 - Contains either a few violent scenes or one or more sufficiently violent scenes to affect them. Adult supervision strongly suggested.
16 ans+	Programming may not be suitable for children under the age of 16 - Contains frequent scenes of violence or intense violence.
18 ans+	Programming restricted to adults. Contains constant violence or scenes of extreme violence.

Caution

- The V-Chip system that is used in this set is capable of blocking “NR” programs (non rated, not applicable and none) as per FCC Rules Section 15.120(e)(2). If the option of blocking “NR” programs is chosen “unexpected and possibly confusing results may occur, and you may not receive emergency bulletins or any of the following types of programming:”
 - Emergency Bulletins (Such as EAS messages, weather warnings and others)
 - Locally originated programming • News • Political • Public Service Announcements • Religious • Sports • Weather

Technical Information

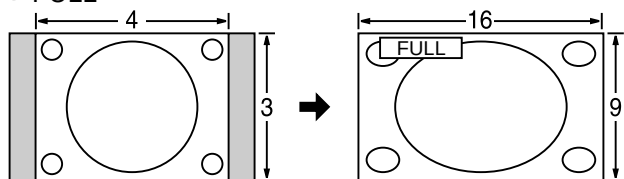
Closed Caption (CC)

- For viewing the CC of digital broadcasting, set the aspect to FULL (If viewing with H-FILL, JUST, ZOOM, or 4:3; characters might be cut off).
- The CC can be displayed on the TV if the receiver (such as a set-top box or satellite receiver) has the CC set On using the Component or HDMI connection to the TV.
- If the CC is set to On on both the receiver and TV when the signal is 480i (except for the HDMI connection), the CC may overlap on the TV.
- If a digital program is being output in analog format, the CC data will also be output in analog format.
- If the recorder or output monitor is connected to the TV, the CC needs to be set up on the recorder or output monitor.

Aspect Ratio (FORMAT)

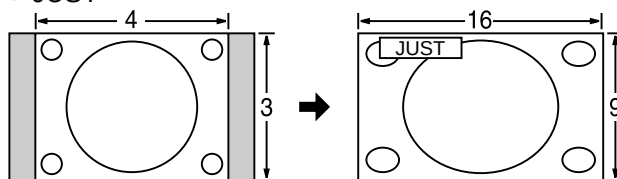
Press the FORMAT button to cycle through the aspect modes. This lets you choose the aspect depending on the format of the received signal and your preference. (p. 17)
(e.g.: in case of 4:3 image)

● FULL



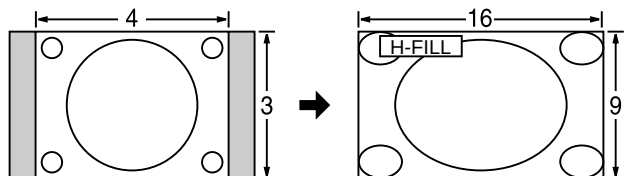
Enlarges the 4:3 image horizontally to the screen's side edges.
(Recommended for anamorphic picture)

● JUST



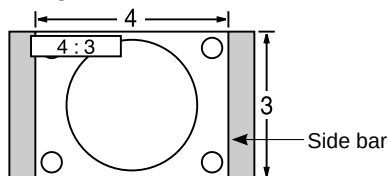
Stretches to justify the 4:3 image to the four corners of the screen.
(Recommended for normal TV broadcast)

● H-FILL



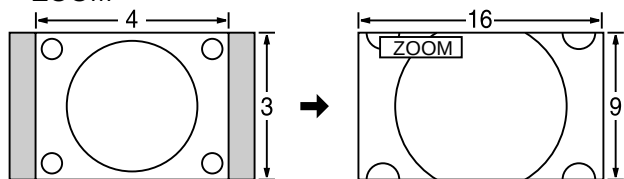
Enlarges the 4:3 image horizontally to the screen's side edges.
The side edges of the image are cut off.

● 4:3



Standard
(Note that "Image retention" of the side bar may occur from displaying it for a long time.)

● ZOOM



Enlarges the 4:3 image to the entire screen.
(Recommended for Letter Box)

Note

- 480i (4:3), 480i (16:9), 480p (4:3), 480p (16:9):
FULL, JUST, 4:3 or ZOOM
- 1080p / 1080i / 720p:
FULL, H-FILL, JUST, 4:3 or ZOOM

● Zoom adjust

Vertical image position and size can be adjusted in "ZOOM".

① Select "Zoom adjust" on the "Picture" menu. (p. 24-25)

② V-position: Vertical position adjustment

③ V-size: Vertical size adjustment



- To reset the aspect ratio →  (OK)

Data format for SD Card browsing

Photo:	Still images recorded with digital still cameras compatible with JPEG files of DCF* and EXIF** standards
Data format:	Baseline JPEG (Sub-sampling: 4:4:4, 4:2:2 or 4:2:0)
Max. number of files:	9,999
Image resolution:	160 x 120 to 10,000,000

* DCF (Design rule for camera file system): A Japan Electronics and Information Technology Industries Association's standard

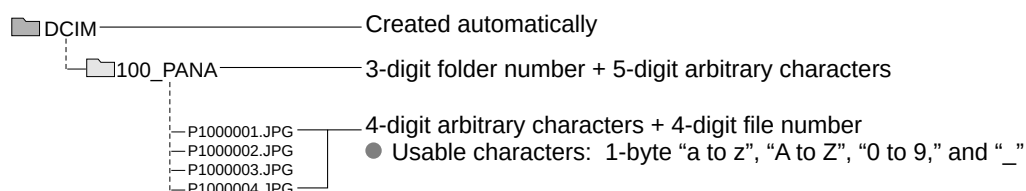
** EXIF (Exchangeable Image File Format)

Caution

- A JPEG image modified with a PC may not be displayed.
- Partly degraded files might be displayed at a reduced resolution.

Note

- Folder structure viewed in PC



- The folder and file names may be different depending on the digital camera used.
- For the suitable SD Memory Cards, please confirm the latest information on the following website.
<http://panasonic.co.jp/pavc/global/cs> (This site is in English only)

Cautions in handling SD Card:

- Do not remove the card while the unit is accessing data (this can damage card or unit).
- Do not touch the terminals on the back of the card.
- Do not subject the card to a high pressure or impact.
- Insert the card in the correct direction (otherwise, card may be damaged).
- Electrical interference, static electricity, or erroneous operation may damage the data or card.
- Back up the recorded data at regular intervals in case of deteriorated or damaged data or erratic operation of the unit. (Panasonic is not liable for any deterioration or damage of recorded data.)

SD Card warning messages

Message	Meaning
Is SD card in?	● The card is not inserted.
No file	● The card has no data or this type of data is not supported.
Cannot read file	● The file is broken or unreadable. ● The TV does not support the format.

GalleryPlayer warning messages

Cannot display image due to incorrect ID data.	● There is a problem with your TV decoder. ● If this message appears, please contact Panasonic Service Center for assistance. Refer to page 55 (Customer Services Directory), page 54, 56 (Limited Warranty)
Cannot display image on SD card.	● There is a problem with the data. Check the data inside the SD card.

Viewing from a GalleryPlayer SD Card

You can view high-definition art and photography purchased on or downloaded to an SD card. GalleryPlayer provides pre-loaded SD cards with copy-protected imagery and images for download to your computer that can be saved on an SD card for display on your television.

GalleryPlayer images are available for a fee from GalleryPlayer, Inc.

Technical Information (Continued)

VIERA Link™ “HDAVI Control™”

HDMI connections to some Panasonic equipment allow you to interface automatically. (p. 28)

- This function may not work normally depending on the equipment condition.
- The equipment can be operated by other remote controls with this function on even if TV is in Standby mode.
- Image or sound may not be available for the first few seconds when the playback starts.
- Image or sound may not be available for the first few seconds when Input mode is switched.
- Volume function will be displayed when adjusting the volume of the equipment.
- If you connect the same kind of equipment at once (for example: one DIGA to HDMI 1 / another DIGA to HDMI 2), VIERA Link™ is available for the terminal with the smaller number.
- If you connect equipment that has more than “HDAVI Control 2” (or more) function to the TV with HDMI cable, the sound from DIGITAL AUDIO OUT terminal can be output as multi channel surround.
- “HDAVI Control 3” is the newest standard (current as of December, 2007) for the HDAVI Control compatible equipment. This standard is compatible with the conventional HDAVI equipment.

HDMI connection

HDMI (high-definition multimedia interface) allows you to enjoy high-definition digital images and high-quality sound by connecting the TV unit and the devices.

HDMI-compatible equipment (*1) with an HDMI or DVI output terminal, such as a set-top box or a DVD player, can be connected to the HDMI connector using an HDMI compliant (fully wired) cable.

- HDMI is the world's first complete digital consumer AV interface complying with a non-compression standard.
 - If the external equipment has only a DVI output, connect to the HDMI terminal via a DVI to HDMI adapter cable (*2).
 - When the DVI to HDMI adapter cable is used, connect the audio cable to the audio input terminal.
 - Audio settings can be made on the “HDMI 1 in”, “HDMI 2 in”, “HDMI 3 in” or “HDMI 4” menu screen. (p. 24)
- Applicable audio signal sampling frequencies (L.PCM): 48 kHz, 44.1 kHz, 32 kHz

(*1): The HDMI logo is displayed on an HDMI-compliant device.

(*2): Enquire at your local digital equipment retailer shop.

Caution

- Use with a PC is not assumed.
- All signals are reformatted before being displayed on the screen.
- If the connected device has an aspect adjustment function, set the aspect ratio to “16:9”.
- These HDMI connectors are “type A”.
- These HDMI connectors are compatible with HDCP (High-Bandwidth Digital Content Protection) copyright protection.
- A device having no digital output terminal may be connected to the input terminal of either “COMPONENT”, “S VIDEO”, or “VIDEO” to receive analog signals.
- The HDMI input terminal can be used with only the following image signals: 480i, 480p, 720p, 1080i and 1080p. Match the output setting of the digital device.
- For details of the applicable HDMI signals, see below.

DIGITAL AUDIO OUT terminals

You can enjoy your home theater by connecting a Dolby Digital (5.1 channel) decoder and “Multi Channel” amplifier to the DIGITAL AUDIO OUT terminals.

Caution

- Depending on your DVD player and DVD-Audio software the copyright protection function may operate and disable optical output.
 - External speakers cannot be connected directly to PROG OUT terminals.
 - When an ATSC channel is selected, the output from the DIGITAL AUDIO OUT jack will be Dolby Digital. When an NTSC channel is selected, the output will be PCM.
- See pages 40-41 for more information

Picture mode

- Vivid: Provides enhanced picture contrast and sharpness for viewing in a well-lit room.
- Standard: Recommended for normal viewing conditions with subdued room lighting.
- THX (Cinema): Faithfully reproduces the image quality that the movie makers intended in order to provide the ultimate cinematic experience at home. Cinema is displayed in JPEG and PC mode.
- Custom (Photo): Customizes each item according to your taste. Photo is displayed in JPEG mode.
- Game: For playing video game. This mode will be set automatically if “GAME” is selected from Input label setting (p. 37)

Note

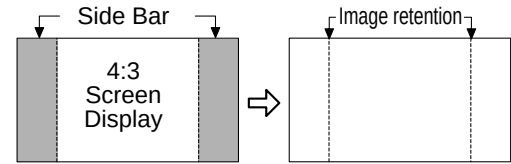
- Picture mode will be automatically set to “Standard” if you change the Input label from “GAME” to other labels.
- Picture mode will be automatically set to “Game” if you change from an Input label other than “GAME” to “GAME” label.

Side Bar

Do not display a picture in 4:3 mode for an extended period, as this can cause "Image retention" to remain on either or both sides of the display field. To reduce the risk of such "Image retention", change the brightness of the side bars.

See pages 26-27 for more information

- The side bar may flash (alternate black/white) depending on the picture. Using Cinema mode will reduce such flashing (See below).



Scrolling bar

Scrolling bar: To prevent "Image retention", scrolls white vertical bar from left to right on a black screen.

- Press any key except the POWER key to return to previous screen.
 - You will return to previous screen if no key operation has not been performed for 15 minutes.
- See pages 26-27 for more information

[Scrolling bar]



Input signal that can be displayed

* Mark: Applicable input signal for Component (Y, P_B, P_R), HDMI and PC

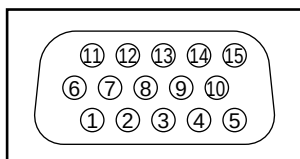
	horizontal frequency (kHz)	vertical frequency (Hz)	COMPONENT	HDMI	PC
525 (480) / 60i	15.73	59.94	*	*	
525 (480) / 60p	31.47	59.94	*	*	
750 (720) / 60p	45.00	59.94	*	*	
1,125 (1,080) / 60i	33.75	59.94	*	*	
1,125 (1,080) / 60p	67.43	59.94		*	
1,125 (1,080) / 60p	67.50	60.00		*	
1,125 (1,080) / 24p	26.97	23.98		*	
1,125 (1,080) / 24p	27.00	24.00		*	
640 × 400 @70	31.47	70.08			*
640 × 480 @60	31.47	59.94			*
Macintosh13" (640 × 480)	35.00	66.67			*
640 × 480 @75	37.50	75.00			*
852 × 480 @60	31.47	59.94			*
800 × 600 @60	37.88	60.32			*
800 × 600 @75	46.88	75.00			*
800 × 600 @85	53.67	85.08			*
Macintosh16" (832 × 624)	49.73	74.55			*
1,024 × 768 @60	48.36	60.00			*
1,024 × 768 @70	56.48	70.07			*
1,024 × 768 @75	60.02	75.03			*
1,024 × 768 @85	68.68	85.00			*
Macintosh 21" (1,152 × 870)	68.68	75.06			*
1,280 × 1,024 @60	63.98	60.02			*
1,366 × 768 @60	48.36	60.00			*

Note

- Signals other than above may not be displayed properly.
- The above signals are reformatted for optimal viewing on your display.

PC Input Terminals Connection

- Computer signals which can be input are those with a horizontal scanning frequency of 15 to 110 kHz and vertical scanning frequency of 48 to 120 Hz. (However, the image will not be displayed properly if the signals exceed 1,200 lines.)
 - Some PC models cannot be connected to the set.
 - There is no need to use an adapter for computers with IBM PC/AT compatible D-sub 15P terminal.
 - The maximum resolution: 1,280 × 1,024
- If the display resolution exceeds these maximums, it may not be possible to show fine detail with sufficient clarity.
- Signal Names for D-sub 15P Connector



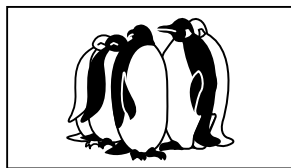
Pin Layout for PC Input Terminal

Pin No.	Signal Name	Pin No.	Signal Name	Pin No.	Signal Name
①	R	⑥	GND (Ground)	⑪	NC (not connected)
②	G	⑦	GND (Ground)	⑫	NC
③	B	⑧	GND (Ground)	⑬	HD/SYNC
④	NC (not connected)	⑨	NC (not connected)	⑭	VD
⑤	GND (Ground)	⑩	GND (Ground)	⑮	NC

FAQ

Before requesting service or assistance, please follow these simple guides to resolve the problem.
If the problem still persists, please contact your local Panasonic dealer or Panasonic Service Center for assistance.
For details (p. 55, 56)
For additional assistance, please contact us via the website at:
www.panasonic.com/contactinfo
www.panasonic.ca

White spots or shadow images (noise)

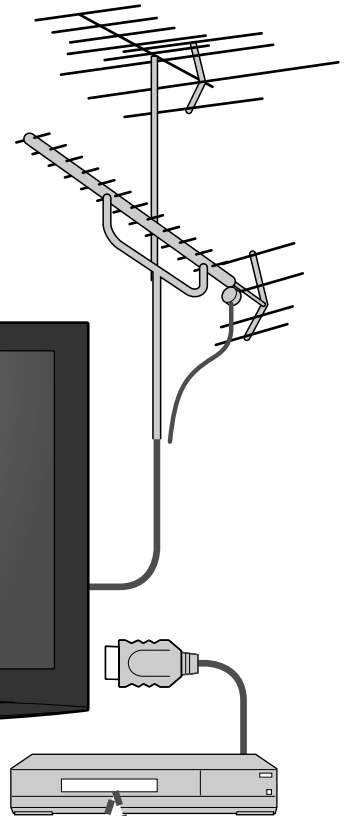


- Check the position, direction, and connection of the antenna.

Interference or frozen digital channels (intermittent sound)



- Change the direction of antenna for digital channels.
- Check "Signal meter" (p. 35). If the signal is weak, check the antenna and consult your local dealer.



Pictures from external equipment are distorted when the unit is connected via HDMI

- Is the HDMI cable connected properly? (p. 40, 41)
- Turn Off the TV unit and equipment, then turn them On again.
- Check an input signal from the equipment. (p. 49)
- Use equipment compliant with EIA/CEA-861/861B.

Recording does not start immediately

- Check the settings of the recorder. For details, read the manual of the recorder.

The remote control does not work

- Are the batteries installed correctly? (p. 6)
- Are the batteries new?
- Select the correct remote control mode (p. 13, 20)

If there is a problem with your TV, please refer to the table below to determine the symptoms, then carry out the suggested check. If this does not solve the problem, please contact your local Panasonic dealer, quoting the model number and serial number (both found on the rear of the TV).

Problem		Actions
Screen	"Press any key to return" moves on the screen	- The function to prevent "Image retention" is activated. (Not a faulty symptom) - The screen saver is activated if the TV unit is not operated for a certain time in SD mode. "Image retention" (p. 5)
	One spot remains dark	A pixel or luminescent spot can occasionally be missing in plasma displays. (Not a faulty symptom)
	Chaotic image, noisy	Check nearby electrical products (car, motorcycle, fluorescent lamp).
	No image can be displayed	- Check Picture menu (p. 24) - Check the cable connections. (p. 9-12) - Check that the correct input has been selected. (p. 20)
	Only spots are displayed instead of images	- Check the channel settings. (p. 34) - Check the antenna cables.
	Neither image nor sound is produced	- Is the AC power cord plugged into the outlet? - Is the TV unit turned On? - Check Picture menu (p. 24) and volume. - Check the AV cable connections. (p. 9-12) - Check that the correct input has been selected. (p. 20)
	Black Box appears	Change settings of Closed Caption (CC). (p. 36)
Sound	No sound is produced	- Are the speakers' cables connected correctly? (p. 40) - Is "Sound Mute" active? (p. 13) - Is the volume set to the minimum? - Is "Speaker output" set to "Off"? (p. 24) - Change "SAP" settings. (p. 16) - Check "HDMI 1 in", "HDMI 2 in", "HDMI 3 in" or "HDMI 4 in" settings. (p. 24)
	Sound is unusual	- Set "SAP" setting to "Stereo" or "Mono." - Check the HDMI device connected to the unit. - Set the audio setting of the HDMI device to "Linear PCM." - If digital sound connection has a problem, select analog sound connection.
	Whirling sound is heard	The sound is from the built-in cooling fan (not a sign of faulty operation).
	Parts of the TV set become hot.	Even when the temperature of parts of the front, top and rear panels has risen, these temperature rises will not pose any problems in terms of performance or quality.
TV set		

Care and Cleaning

First, unplug the Power cord plug from the wall outlet.

Display panel

The front of the display panel has been specially treated. Wipe the panel surface gently using only a cleaning cloth or a soft, lint-free cloth.

- If the surface is particularly dirty, soak a soft, lint-free cloth in diluted mild liquid dish soap (1 part mild liquid dish soap diluted by 100 times the amount of water) and then wring the cloth to remove excess liquid. Use this cloth to wipe the surface of the display panel, then wipe it evenly with a dry cloth of the same type until the surface is dry.
- Do not scratch or hit the surface of the panel with fingernails or other hard objects. Furthermore, avoid contact with volatile substances such as insect sprays, solvents, and thinner; otherwise, the quality of the surface may be adversely affected.

Cabinet

If the cabinet becomes dirty, wipe it with a soft, dry cloth.

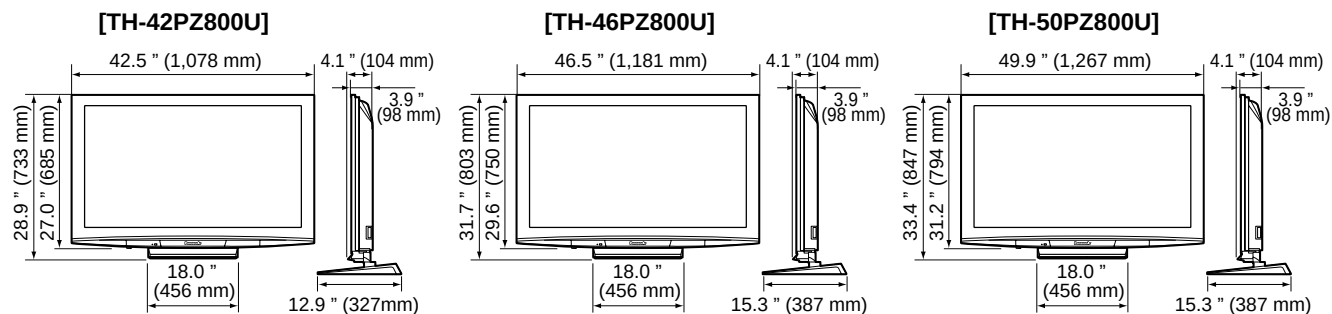
- If the cabinet is particularly dirty, soak the cloth in a weak mild liquid dish soap and then wring the cloth dry. Use this cloth to wipe the cabinet and then wipe it dry with a dry cloth.
- Do not allow any mild liquid dish soap to come into direct contact with the surface of the Plasma TV. If water droplets get inside the unit, operating problems may result.
- Avoid contact with volatile substances such as insect sprays, solvents, and thinner; otherwise, the quality of the cabinet surface may be adversely affected or the coating may peel off. Furthermore, do not leave it for long periods in contact with articles made from rubber or PVC.

Pedestal

- **Cleaning**
Wipe the surfaces with a soft, dry cloth. If the unit is particularly dirty, clean it using a cloth soaked with water to which a small amount of mild liquid dish soap has been added and then wipe with a dry cloth.
Do not use products such as solvents, thinner, or household wax for cleaning, as they can damage the surface coating. (If using a chemically-treated cloth, follow the instructions supplied with the cloth.)
- Do not attach sticky tape or labels, as they can make the surface of the pedestal dirty. Do not allow long-term contact with rubber, vinyl products, or the like. (Doing so will cause deterioration.)

Specifications

		TH-42PZ800U	TH-46PZ800U	TH-50PZ800U
Power Source		AC 120 V, 60 Hz		
Power Consumption	Maximum	575 W	630 W	692 W
	Standby condition	0.2 W	0.2 W	0.2 W
Plasma Display panel	Drive method	AC type		
	Aspect Ratio	16:9		
	Visible screen size (W × H × Diagonal)	42 " class (41.6 inches measured diagonally)	46 " class (46.0 inches measured diagonally)	50 " class (49.9 inches measured diagonally)
	(No. of pixels)	36.2 " × 20.4 " × 41.6 " (922 mm × 518 mm × 1,057 mm) 2,073,600 (1,920 (W) × 1,080 (H)) [5,760 × 1,080 dots]	40.1 " × 22.5 " × 46.0 " (1,019 mm × 573 mm × 1,169 mm)	43.5 " × 24.4 " × 49.9 " (1,106 mm × 622 mm × 1,269 mm)
Sound	Audio Output	Super Slim SP (2.5 W) × 2, Woofer (13 W) × 2		
PC signals		VGA, SVGA, XGA, WXGA, SXGA Horizontal scanning frequency 31 - 69 kHz Vertical scanning frequency 59 - 86 Hz		
Channel Capability (Digital/Analog)		VHF/ UHF: 2 - 69, CATV: 1 - 135		
Operating Conditions		Temperature: 32 °F – 104 °F (0 °C – 40 °C) Humidity: 20 % – 80 % RH (non-condensing)		
Connection Terminals	VIDEO IN 1-2	VIDEO: RCA PIN Type × 1 1.0 V [p-p] (75 Ω) S-VIDEO: Mini DIN 4-pin Y: 1.0 V [p-p] (75 Ω) C: 0.286 V [p-p] (75 Ω) AUDIO L-R: RCA PIN Type × 2 0.5 V [rms]		
	COMPONENT INPUT 1-2	Y: 1.0 V [p-p] (including synchronization) PB, PR: ±0.35 V [p-p] AUDIO L-R: RCA PIN Type × 2 0.5 V [rms]		
	HDMI 1-4	TYPE A Connector × 4 ● This TV supports "HDAVI Control 3" function.		
	PC	D-SUB 15PIN: R,G,B / 0.7 V [p-p] (75 Ω) HD, VD / 1.0 - 5.0 V [p-p] (high impedance) AUDIO L-R: Stereo Mini Jack (Φ3.5 mm) × 1		
	Card slot	SD CARD slot × 1		
	AV PROG OUT	VIDEO: RCA PIN Type × 1 1.0 V [p-p] (75 Ω) AUDIO L-R: RCA PIN Type × 2 0.5 V [rms]		
	DIGITAL AUDIO OUT	PCM / Dolby Digital, Fiber Optic		
FEATURES		3D Y/C FILTER CLOSED CAPTION V-Chip BBE VIVA 3D Photo viewer HDAVI Control 3		
Dimensions (W × H × D)	Including pedestal	42.5 " × 28.9 " × 12.9 " (1,078 mm × 733 mm × 327 mm)	46.5 " × 31.7 " × 15.3 " (1,181 mm × 803 mm × 387 mm)	49.9 " × 33.4 " × 15.3 " (1,267 mm × 847 mm × 387 mm)
	TV Set only	42.5 " × 27.0 " × 4.1 " (1,078 mm × 685 mm × 104 mm)	46.5 " × 29.6 " × 4.1 " (1,181 mm × 750 mm × 104 mm)	49.9 " × 31.2 " × 4.1 " (1,267 mm × 794 mm × 104 mm)
Mass	Including pedestal	79.4 lb. (36 kg)	92.6 lb. (42 kg)	99.3 lb. (45 kg)
	TV Set only	70.6 lb. (32 kg)	81.6 lb. (37 kg)	88.2 lb. (40 kg)



Note

- Design and Specifications are subject to change without notice. Mass and Dimensions shown are approximate.

Limited Warranty (for U.S.A.)

PANASONIC CONSUMER ELECTRONICS COMPANY,
DIVISION OF
PANASONIC CORPORATION OF NORTH AMERICA
One Panasonic Way
Secaucus, New Jersey 07094

PANASONIC SALES COMPANY,
DIVISION OF
PANASONIC PUERTO RICO, INC.
Ave. 65 de Infanteria, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Color Television Limited Warranty

Limited Warranty Coverage

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

CATEGORIES	ALL PARTS EXCEPT GLASS PANEL OR CRT	LABOR	GLASS PANEL OR CRT	GLASS PANEL OR CRT LABOR	SERVICE
PLASMA DISPLAY	1 (ONE) YEAR	1 (ONE) YEAR	GLASS PANEL - 2 (TWO) YEARS	1 (ONE) YEAR	IN-HOME OR CARRY-IN

During the "Labor" Limited Warranty period there will be no charge for labor. During the "Parts" Limited Warranty period, there will be no charge for parts.

You must carry-in your product or arrange for in-home service during the Limited Warranty period. If non-rechargeable batteries are included, they are not warranted. This Limited Warranty only applies to products purchased and serviced in the United States or Puerto Rico. This Limited Warranty is extended only to the original purchaser and only covers product purchased as new. A purchase receipt or other proof of the original purchase date is required for Limited Warranty service.

In-Home or Carry-in Service

For In-Home or Carry-In Service in the United States call 1-888-VIEW-PTV(1-888-843-9788).

For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910.

In-Home service requires clear, complete and easy access to the product by the authorized servicer and does not include removal or re-installation of an installed product. It is possible that certain in-home repairs will not be completed in-home, but will require that the product, or parts of the product, be removed for shop diagnosis and/or repair and then returned.

Limited Warranty Limits And Exclusions

This Limited Warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage, nor does it cover markings or retained images on the picture tube resulting from viewing fixed images (including, among other things, letterbox pictures on standard 4:3 screen TV's, or non-expanded standard 4:3 pictures on wide screen TV's, or onscreen data in a stationary and fixed location). The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS LIMITED WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, or travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE LIMITED WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied Limited Warranty lasts, so the exclusions may not apply to you.

This Limited Warranty gives you specific legal rights and you may also have others rights which vary from state to state. If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE (INCLUDING COST OF AN IN-HOME SERVICE CALL, WHERE APPLICABLE) WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

Customer Services Directory (for U.S.A.)

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

<http://www.panasonic.com/consumersupport>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-888-VIEW-PTV (843-9788)

Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

■ For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases

Purchase Parts, Accessories and Instruction Books on line for all Panasonic Products by visiting our Web Site at:

<http://www.pstc.panasonic.com>

or, send your request by E-mail to:

npcparts@us.panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only) (Monday - Friday 9 am to 8 pm, EST.)

Panasonic Service and Technology Company

20421 84th Avenue South,

Kent, WA 98032

(We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

■ For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico

Panasonic Puerto Rico, Inc.

Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park,

Carolina, Puerto Rico 00985

Phone (787)750-4300, Fax (787)768-2910

Limited Warranty (for Canada)

Panasonic Canada Inc.

PANASONIC PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Plasma TV / Monitor	In-home service	One (1) year, parts (including Plasma Panel) and labour.
LCD TV (26 in & over)	In-home service	One (1) year, parts (including LCD Panel) and labour.

In-home Service will be carried out only to locations accessible by roads and within 50 km of an authorized Panasonic service facility.

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

In-home service requires clear, complete and easy access to the product by the Authorized Servicentre and does not include removal or re-installation of an installed product. If removal is required to service the product, it will be at the discretion of the Servicentre and in no event will Panasonic Canada Inc. or the Servicentre be liable for any special, indirect or consequential damages.

WARRANTY SERVICE

For product operation and information assistance, please contact:

Our Customer Care Centre: 1-800 #: 1-866-330-0014
Email link: www.vieraconcierge.ca

FOR PRODUCT REPAIRS, please contact Viera Customer Care Agent using the above contact info.

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.
Include details of the defect claimed, and proof of date of original purchase.

Customer's Record

The model number and serial number of this product can be found on its back cover. You should note this serial number in the space provided below and retain this book, plus your purchase receipt, as a permanent record of your purchase to aid in identification in the event of theft or loss, and for Warranty Service purposes.

Model Number _____

Serial Number _____

Anotación del cliente

El modelo y el número de serie de este producto se encuentran en su panel posterior. Deberá anotarlos en el espacio provisto a continuación y guardar este manual, más el recibo de su compra, como prueba permanente de su adquisición, para que le sirva de ayuda al identificarlo en el caso de que le sea sustraído o lo pierda, y también para disponer de los servicios que le ofrece la garantía.

Modelo _____

Número de serie _____

**Panasonic Consumer Electronics
Company,
Division of Panasonic Corporation
of North America**
One Panasonic Way, Secaucus
New Jersey 07094 U.S.A.

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park
Carolina, Puerto Rico 00985

Panasonic Canada Inc.
5770 Ambler Drive
Mississauga, Ontario
L4W 2T3 CANADA

For viewing HD programming (Plasma TV) Para ver programas de HD (Televisor de plasma)

(For U.S.A.) (Para los EE.UU.)

Do you have an HD signal?

This HDTV requires a High Definition (HD) signal to provide an optimum viewing experience.*

To view HD programming, make sure you have access to an HD signal. HD signals are available 3 different ways:

- (1) Cable – Contact your local cable service provider to subscribe to HD programming.*
- (2) Satellite – Contact your local satellite TV service provider to subscribe to HD programming.*
- (3) Over-the-Air Antenna (ATSC) – Optional over-the-air antenna is required for ATSC reception.

* Additional equipment and/or subscription fees may apply.

¿Tiene usted una señal de HD?

Este HDTV necesita una señal de alta definición (HD) para ofrecer una experiencia óptima al ver la TV.*

Para ver programas de HD, asegúrese de tener acceso a una señal de HD. Las señales de HD se encuentran disponibles de 3 formas diferentes:

- (1) Cable – Póngase en contacto con su proveedor local de servicios de cable para suscribirse a la programación de HD.*
- (2) Satélite – Póngase en contacto con su proveedor local de servicios de TV por satélite para suscribirse a la programación de HD.*
- (3) Antena de recepción digital (ATSC) – Para la recepción ATSC se necesita una antena de recepción digital opcional.

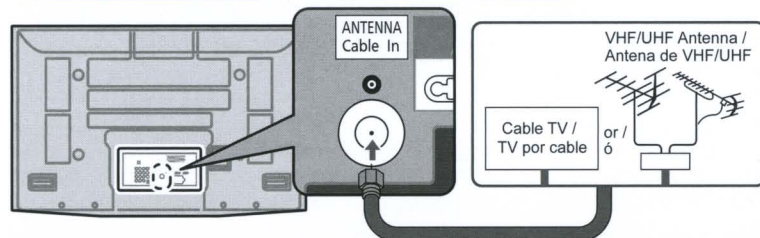
* Puede que sea necesario un equipo adicional y/o abonar una suscripción.

To View HD Programming Using Over-the-Air Antenna or Direct Cable / Para ver programas de HD utilizando antena de recepción digital ó cable directo

1 Antenna or Direct Cable Connection / Antena ó cable directo

With the TV power off

Con el televisor apagado



Note: With direct Cable connection, you will not be able to receive channels that require a Cable box or a CableCARD. Please contact your local Cable service provider for information about services available in your area.

Nota: Con la conexión directo de cable no podrá recibir canales que requieran un receptor de cable ó una tarjeta de cable. Póngase en contacto con su compañía de cable local para obtener información de los servicios disponibles en su área.

2 First Time Setup / Ajuste inicial

- 1 Turn the TV power ON.
- 2 Program the channels following the instructions in the First Time Setup screen.

(Refer to the "First Time Setup" in the Operating Instructions.) (Consulte "Ajuste inicial" en el manual de instrucciones.)

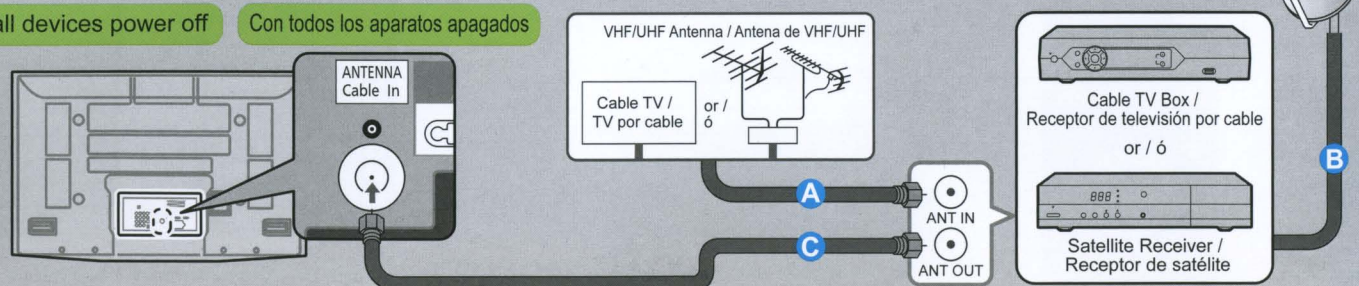
- 1 Encienda el televisor.
- 2 Programe los canales siguiendo las instrucciones de la pantalla Ajuste inicial.

Standard Definition Cable Box and/or Satellite Receiver connections / Conexiones de receptor de cable y/o receptor de satélite de definición estándar

(For viewing Standard Definition TV only) (Para ver TV de definición estándar solamente)

With all devices power off

Con todos los aparatos apagados



- 1 Turn the power to all devices ON.
- 2 Do not complete the First Time Setup. Instead, press EXIT to exit from the First Time Setup and manually program the TV to CH3 or CH4. (Refer to "Editing and Setting Channels" in the "Advanced Features" section of the Operating Instructions.)

Note: As you are connecting a standard definition device, none of these connections will provide a high definition video signal to the TV.

- 1 Encienda todos los aparatos
- 2 No complete Ajuste inicial. En su lugar, pulse EXIT para salir de Ajuste inicial y programe manualmente el televisor para recibir el canal CH3 ó CH4. (Consulte "Edición y configuración de canales" en la sección "Funciones avanzadas" de el manual de instrucciones.)

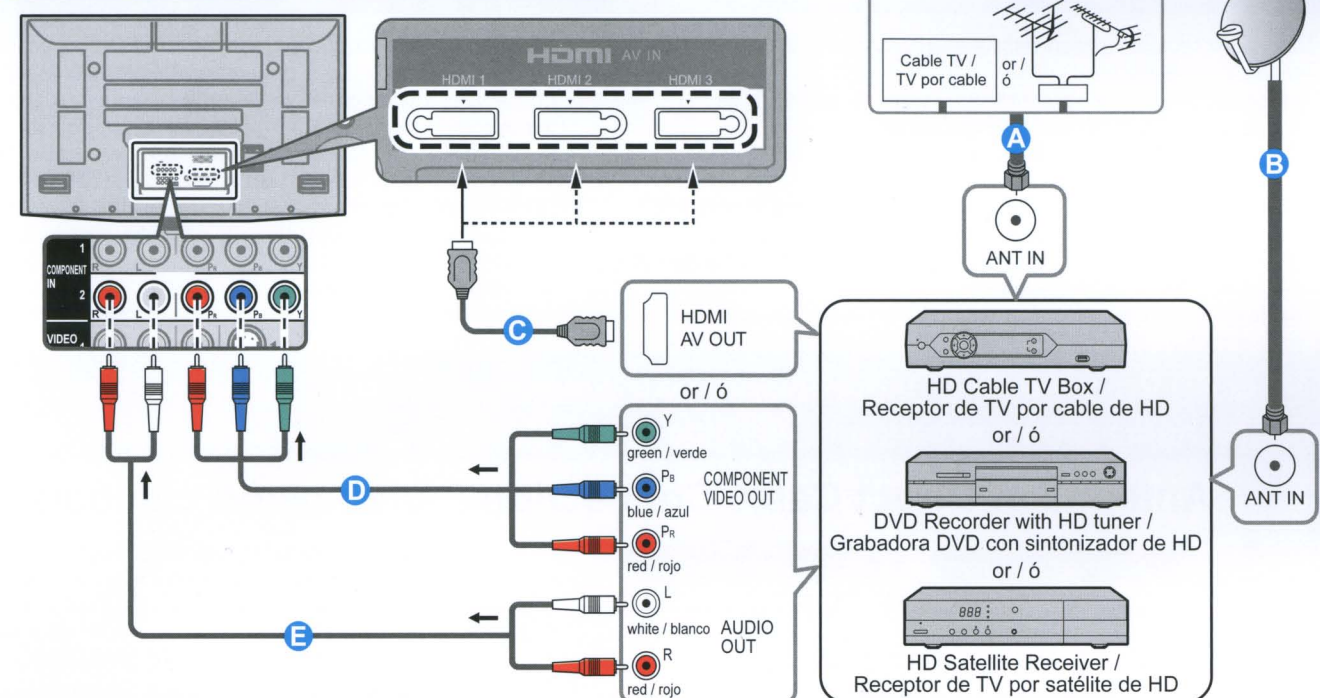
Nota: Como está conectando un aparato de definición estándar, ninguna de estas conexiones proporcionará una señal de vídeo de alta definición al televisor.

To View HD Programming Using External HD Equipment / Para ver programas de HD utilizando equipo de HD externo

1 High Definition Cable Box, Satellite Receiver, or DVD Player/Recorder / Receptor de cable, receptor de satélite ó reproductor/grabadora DVD de alta definición

With all devices power off

Con todos los aparatos apagados



Note: • Other connections (Refer to "Basic Connection" section in the Operating Instructions).
• If your device has a DVI connector, an HDMI-DVI conversion cable may be necessary.

Nota: • Otras conexiones (Consulte la sección "Conexión básica" en el manual de instrucciones).
• Si su aparato tiene un conector DVI, puede que sea necesario un cable de conversión HDMI-DVI.

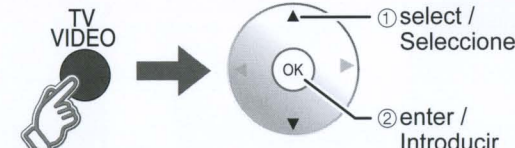
2 Input Select / Seleccionar entrada

- 1 Turn the power to all devices ON.
- 2 Press EXIT to exit the First Time Setup screen.
- 3 Press TV/VIDEO to display Input Select menu.
- 4 Press ▲ or ▼ to highlight the input your device is connected to.
- 5 Press OK to select the Input.

Note: You may also press TV/VIDEO then the number corresponding to the Input, such as TV/VIDEO 4 to go to HDMI 1.

- 1 Encienda todos los aparatos.
- 2 Pulse EXIT para salir de la pantalla Ajuste inicial.
- 3 Pulse TV/VIDEO para mostrar el menú Seleccionar entrada.
- 4 Pulse ▲ ó ▼ para resaltar la entrada a la que está conectado su aparato.
- 5 Pulse OK para seleccionar la entrada.

Nota: También puede pulsar TV/VIDEO y luego el número correspondiente a la entrada como, por ejemplo, TV/VIDEO 4 para ir a HDMI 1.



- For details, see the Operating Instruction ("Watching Videos and DVDs").
- Para conocer detalles, consulte el manual de instrucciones ("Para ver vídeo y DVDs").

Input select	
1 TV	AUX
2 Component 1	AUX
3 Component 2	
4 HDMI 1	GAME
5 HDMI 2	
6 HDMI 3	GAME
7 HDMI 4	
8 Video 1	
9 Video 2	GAME
0 PC	

• This menu screen may be different from the actual screen.

Seleccionar entrada	
1 TV	AUX
2 Component 1	AUX
3 Component 2	
4 HDMI 1	JUEGO
5 HDMI 2	
6 HDMI 3	JUEGO
7 HDMI 4	
8 Video 1	
9 Video 2	JUEGO
0 PC	

• Esta pantalla de menú puede ser diferente de la pantalla real.

If you have any questions contact
(U.S.A.) 1-888-972-6276

Si tiene alguna pregunta póngase en contacto con
(U.S.A.) 1-888-972-6276

For viewing HD programming (Plasma TV) Pour afficher la programmation HD (Téléviseur à plasma)

(For Canada) (Pour le Canada)

Do you have an HD signal?

This HDTV requires a High Definition (HD) signal to provide an optimum viewing experience.*

To view HD programming, make sure you have access to an HD signal. HD signals are available 3 different ways:

- (1) Cable – Contact your local cable service provider to subscribe to HD programming.*
- (2) Satellite – Contact your local satellite TV service provider to subscribe to HD programming.*
- (3) Over-the-Air Antenna (ATSC) – Optional over-the-air antenna is required for ATSC reception.

* Additional equipment and/or subscription fees may apply.

Un signal haute définition (HD) est nécessaire pour que vous puissiez profiter d'un affichage optimal sur ce téléviseur haute définition (TVHD).* Pour afficher la programmation HD, assurez-vous d'avoir accès à un signal HD. Il y a trois façons de capter un signal haute définition:

- (1) Câble – Contactez votre fournisseur local de services de câblodistribution pour vous abonner à la programmation haute définition.*
- (2) Satellite – Contactez votre fournisseur local de services de télévision par satellite pour vous abonner à la programmation haute définition.*
- (3) Antenne extérieure (ATSC) – Une antenne extérieure en option est requise pour la réception ATSC.

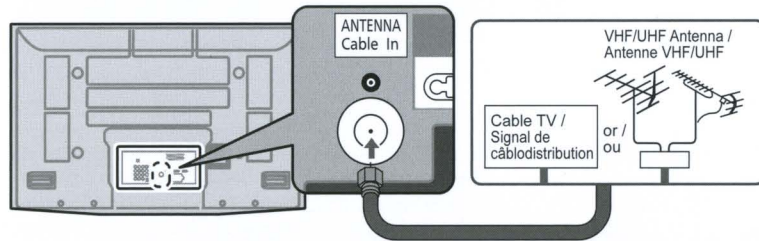
* Des frais d'équipement supplémentaire et/ou d'abonnement peuvent s'appliquer.

To View HD Programming Using Over-the-Air Antenna or Direct Cable / Pour afficher la programmation HD à l'aide d'une antenne extérieure ou de la câblodistribution

1 Antenna or Direct Cable Connection / Antenne ou câblodistribution

With the TV power off

Avec le téléviseur hors marche



Note: With direct Cable connection, you will not be able to receive channels that require a Cable box or a CableCARD. Please contact your local Cable service provider for information about services available in your area.

Nota: Avec une connexion directe à la câblodistribution, il ne sera pas possible de syntoniser des canaux qui requièrent un câblosélecteur ou une carte CableCARD. Pour plus d'informations sur les services disponibles dans votre région, informez-vous auprès de votre câblodistributeur local.

2 First Time Setup / Réglage initial

- 1 Turn the TV power ON.
- 2 Program the channels following the instructions in the First Time Setup screen.

- 1 Mettez le téléviseur en marche
- 2 Programmez les canaux en suivant les instructions de l'écran "Réglage initial".

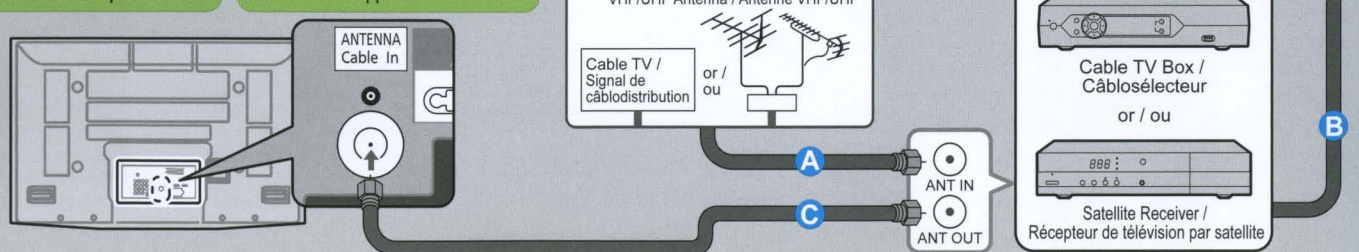
(Refer to the "First Time Setup" in the Operating Instructions.) (Reportez-vous à la section "Réglage initial" dans le mode d'emploi.)

Standard Definition Cable Box and/or Satellite Receiver connections / Connexion à un câblosélecteur et/ou un récepteur de télévision par satellite à définition standard

(For viewing Standard Definition TV only) (Pour afficher uniquement la télévision à définition standard)

With all devices power off

Avec tous les appareils hors marche



- 1 Turn the power to all devices ON.
- 2 Do not complete the First Time Setup. Instead, press EXIT to exit from the First Time Setup and manually program the TV to CH3 or CH4 (Refer to "Editing and Setting Channels" in the "Advanced Features" section of the Operating Instructions).

Note: As you are connecting a standard definition device, none of these connections will provide a high definition video signal to the TV.

- 1 Mettez tous les appareils en marche.
- 2 N'effectuez pas les réglages initiaux. Appuyez plutôt sur EXIT pour quitter l'écran "Réglage initial" et syntonisez manuellement le téléviseur sur le canal 3 ou le canal 4. (Reportez-vous à "Programmation et édition des canaux" dans la section "Fonctions avancées" du mode d'emploi.)

Nota: Comme vous connectez un appareil à définition standard, aucune de ces connexions ne fournira un signal vidéo haute définition au téléviseur.

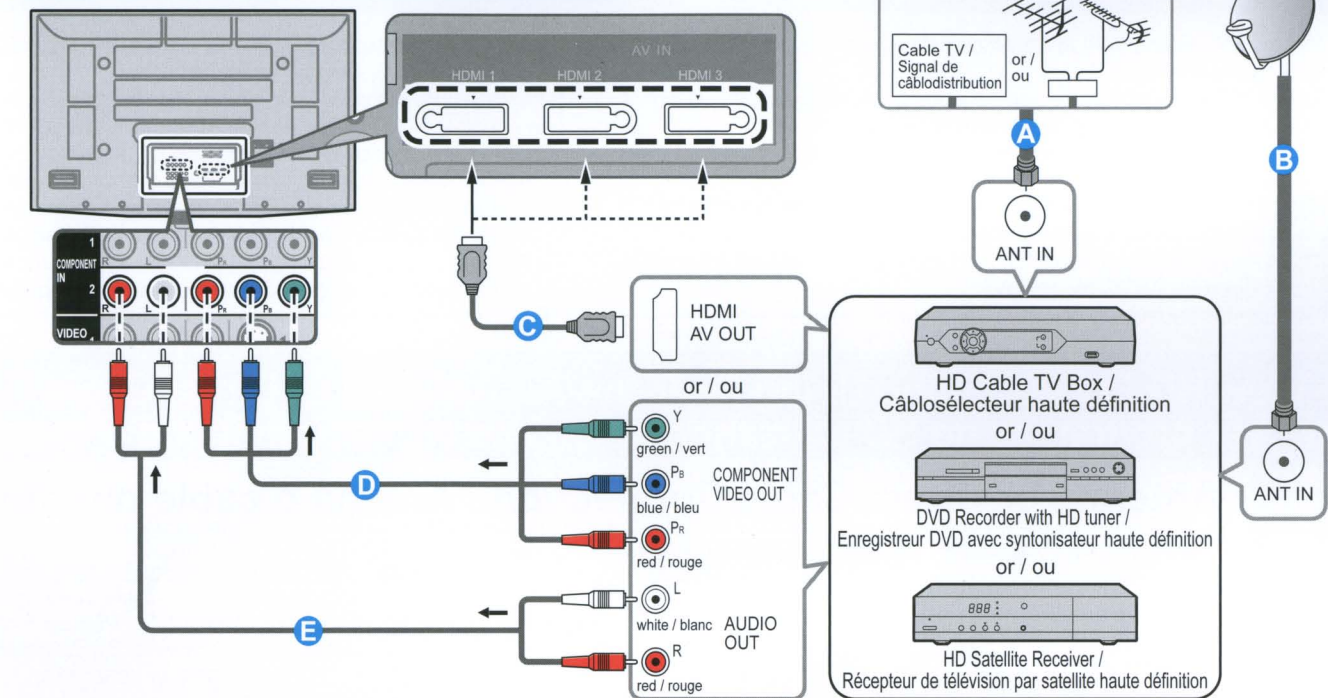
To View HD Programming Using External HD Equipment / Pour afficher la programmation HD à l'aide d'un appareil HD externe

1

High Definition Cable Box, Satellite Receiver, or DVD Player/Recorder / Câblosélecteur, récepteur de télévision par satellite ou lecteur/enregistreur DVD haute définition

With all devices power off

Avec tous les appareils hors marche



Note: • Other connections (Refer to "Basic Connection" section in the Operating Instructions).
• If your device has a DVI connector, an HDMI-DVI conversion cable may be necessary.

Nota: • Autres connexions (Reportez-vous à la section "Connexion de base" dans le mode d'emploi).
• Si votre appareil est doté d'un connecteur DVI, il se peut qu'un câble de conversion HDMI-DVI soit nécessaire.

2

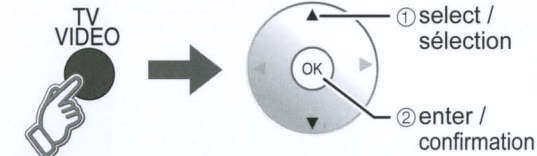
Input Select / Sélection d'entrée

- 1 Turn the power to all devices ON.
- 2 Press EXIT to exit the First Time Setup screen.
- 3 Press TV/VIDEO to display Input Select menu.
- 4 Press ▲ or ▼ to highlight the input your device is connected to.
- 5 Press OK to select the Input.

Note: You may also press TV/VIDEO then the number corresponding to the Input, such as TV/VIDEO 4 to go to HDMI 1.

- 1 Mettez tous les appareils en marche.
- 2 Appuyez sur EXIT pour quitter l'écran "Réglage initial".
- 3 Appuyez sur TV/VIDEO pour afficher le menu "Sélection d'entrée".
- 4 Appuyez sur ▲ ou ▼ pour mettre en surbrillance l'entrée à laquelle votre appareil est connecté.
- 5 Appuyez sur OK pour sélectionner l'entrée.

Nota: Vous pouvez aussi appuyer sur TV/VIDEO puis sur le numéro correspondant à l'entrée, comme par exemple TV/VIDEO 4, pour passer à HDMI 1.



- For details, see the Operating Instruction ("Watching Videos and DVDs").
- Pour de plus amples informations, consultez le mode d'emploi ("Visionnement de bandes vidéo et de DVD").

Input select	
1 TV	AUX
2 Component 1	AUX
3 Component 2	AUX
4 HDMI 1	GAME
5 HDMI 2	GAME
6 HDMI 3	GAME
7 HDMI 4	GAME
8 Video 1	GAME
9 Video 2	GAME
0 PC	GAME

This menu screen may be different from the actual screen.

Sélection d'entrée	
1 Télé	AUX
2 Composant 1	AUX
3 Composant 2	AUX
4 HDMI 1	JEU
5 HDMI 2	JEU
6 HDMI 3	JEU
7 HDMI 4	JEU
8 Vidéo 1	JEU
9 Vidéo 2	JEU
0 PC	JEU

Cet écran de menu peut être différent du véritable écran de menu.

If you have any questions contact
(Canada) 1-866-330-0014

Pour toute question, veuillez contacter
(Canada) 1-866-330-0014

Maintaining the shiny parts

Notice

This unit has some shiny parts. Being shiny, these parts tend to show dust and fingerprints easily. Wiping these parts or rubbing them vigorously with a hard cloth may scratch their surfaces. When cleaning or otherwise maintaining these parts, use the cleaning cloth provided with the unit, and bear in mind the following points.

Maintenance procedure

(1) Regular maintenance

Using a dry cleaning cloth, remove the dust in such a way that the surfaces of the shiny parts will not be scratched.

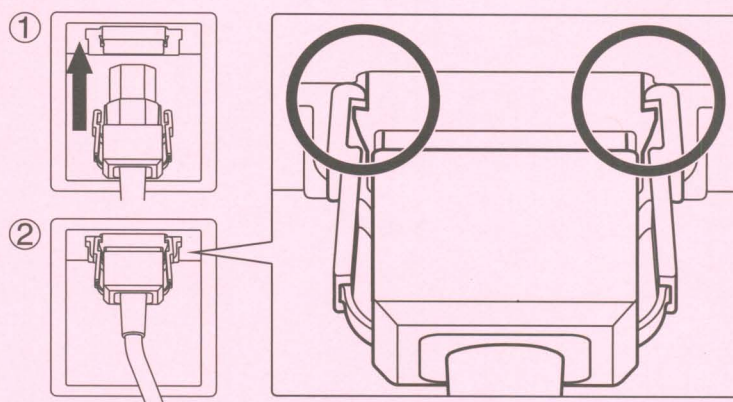
(2) Removing fingerprints and other dirt

Remove the dust around the dirty areas, and then lightly wipe off the dirty areas.

(3) Maintenance for removing stubborn dirt

Immerse part of a cleaning cloth into water or a neutral detergent diluted a hundred times in water, wring it out thoroughly, and then wipe off the dirt. Lastly, wipe the surfaces clean and dry using the dry parts of the cleaning cloth.

Notice: Please keep these instructions together with the operating instructions of the main unit in a safe place.



How to secure the AC cord

Insert the AC cord plug into the main unit.

* Insert it firmly until the tabs on both sides click into place.

Pour bien brancher le cordon d'alimentation

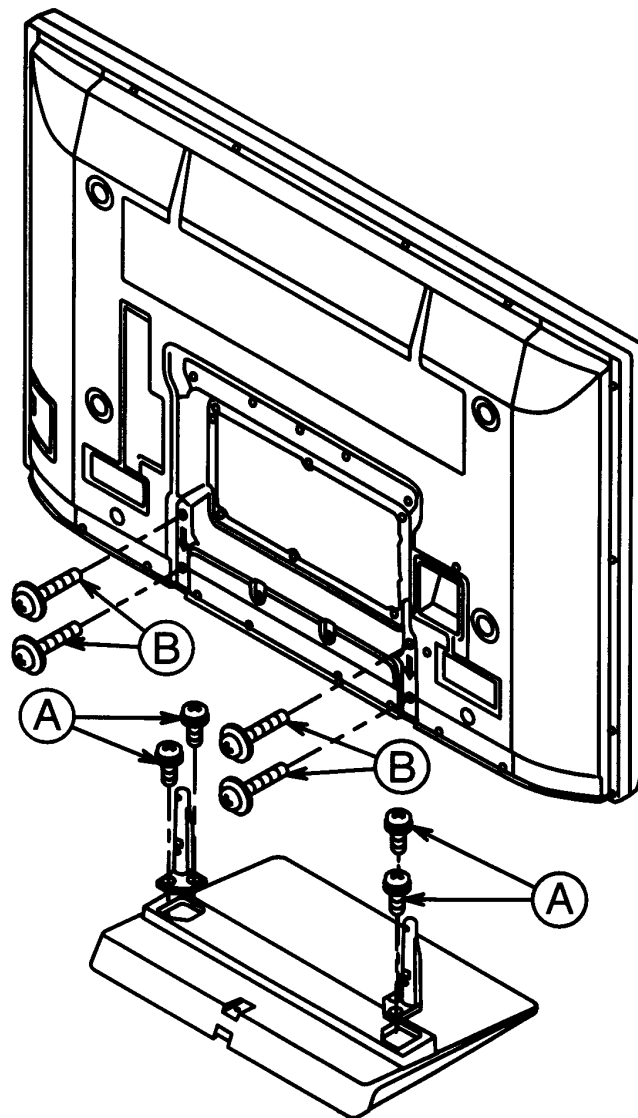
Insérez la fiche du cordon d'alimentation dans l'appareil.

* Insérez-la à fond, jusqu'à ce que les languettes se mettent en place des deux côtés avec un léger bruit sec.

Cómo asegurar el cable de alimentación de CA

Inserte la clavija del cable de CA en la unidad principal.

* Insértela firmemente hasta que las lengüetas de ambos lados queden fijadas en posición haciendo un ruido seco.



(A)  18 mm

(B)  25 mm

TQZH983



Viera Concierge *Conciergerie Viera*



Panasonic



Plasma Concierge



Panasonic

Welcome!

As a Panasonic Plasma owner you are now entitled to a variety of free privileges that will make owning your new Plasma even more of a pleasure. It's our way to provide you the peace-of-mind you expect from Panasonic.

Panasonic Plasma Concierge adds value to your premium TV experience with services like:

- **EXCLUSIVE TOLL-FREE HOT LINE 1-800-973-4390** *(US only)*
A dedicated team of experts can answer any questions you might have regarding your new TV.
- **PRIORITY SERVICE SCHEDULING†**
A representative will call you within 24 hours of notification to schedule an in-home service visit that is convenient for you.
- **LIVE CHAT**
Communicate with Panasonic Plasma experts on-line for assistance and advice regarding your Plasma TV and related products.
- **PERSONALIZED PLASMA CONCIERGE IDENTIFICATION CARD**
Convenient reminder that identifies you as a Panasonic Plasma TV owner.

Call now to receive your personalized Panasonic Plasma Concierge Benefits Card and to learn more about these services: 1-800-973-4390

For more information visit:
PlasmaConcierge.com

Program details subject to change.
* Program not available in US territories.
† Not available in Alaska and Hawaii.



Panasonic ideas for life

Welcome!

As a Panasonic VIERA owner you are now entitled to a variety of privileges that will make owning your new VIERA even more of a pleasure. It's our way to provide you the peace-of-mind you expect from Panasonic.

Panasonic VIERA Concierge adds value to your premium TV experience with services like:

- **EXCLUSIVE TOLL-FREE VIERA HOT LINE 1-866-330-0014** *(Canada only)*
A dedicated team of experts can answer any questions you might have regarding your new TV.
- **48-HOUR PRIORITY SERVICE**
Expedited turnaround time for resolution of any product defects by a highly qualified and authorized Panasonic Service Partner in participating regions.
- **EXTENDED WARRANTY**
Purchase extended warranty coverage for your Panasonic VIERA TV.

Bienvenue!

À titre de propriétaire d'un téléviseur VIERA de Panasonic, vous avez droit à une gamme étendue de privilèges qui feront de votre achat d'un téléviseur VIERA une décision encore plus judicieuse et avisée. C'est notre façon à nous de vous offrir la tranquillité d'esprit à laquelle vous vous attendez de Panasonic.

Vous trouverez ci-dessous une brève description des privilèges à venir de la Conciergerie VIERA Panasonic qui ajouteront encore plus de valeur à votre expérience télévisuelle:

- **SERVICE D'ASSISTANCE TÉLÉPHONIQUE VIERA SANS FRAIS 1-866-330-0014** *(Pour le Canada seulement)*
Vous pouvez communiquer avec des spécialistes VIERA qui pourront répondre à toutes vos questions concernant votre nouveau téléviseur VIERA.
- **SERVICE PRIORITAIRE EN 48 HEURES**
C'est le temps de maintenance prévu pour le règlement de toute défectuosité par un centre de service Panasonic agréé dans les régions participantes.
- **GARANTIE PROLONGÉE**
Vous pouvez acheter une couverture de garantie prolongée pour votre téléviseur Panasonic VIERA.

Visit our web site to learn more
about the benefits of Panasonic
VIERA Concierge.

Visitez notre site web pour plus de
détails sur les privilèges offerts par
notre Conciergerie VIERA

VieraConcierge.ca



**Panasonic ideas for life
des idées pour la vie**

Panasonic

Important! Please complete and return within ten days.

You can also register online via the Internet at:

<http://www.panasonic.com/register>

It is not necessary to return this card in order to effectuate the limited warranty.

1. ☐ Mr. ☐ Mrs. ☐ Ms. ☐ Miss
First Name Initial Last Name

M V K 0 1 - 0 1
Plasma

Street

Apt. No.

City

State

ZIP Code

2. E-mail Address:

3. Telephone number:

() -

4. Date of purchase:

Month Day Year

5. A. Model #: (refer to operating manual or box)

B. Serial #: (refer to the product)

6. Name of store where purchased:

City

State

or website address if purchased via the internet:

7. Price paid (excluding service contract, shipping and taxes): \$.00

8. Did you purchase or receive an extended service contract with your product?

1. ☐ Yes 2. ☐ No

9. Is this product:

1. ☐ The first plasma you've ever purchased?
2. ☐ A replacement for another plasma?
3. ☐ An additional product, already own one other plasma?
4. ☐ An additional product, already own two or more other plasmas?

10. Where did you first learn about this product?

01. ☐ Received as a Gift 08. ☐ Magazine Article/Review
02. ☐ In-store Display 09. ☐ Catalog
03. ☐ Store Advertisement/
Store Flyer/Circular 11. ☐ Friend/Family Recommendation
04. ☐ Newspaper Ad 12. ☐ Salesperson Recommendation
05. ☐ Magazine Ad 13. ☐ Internet
06. ☐ TV Advertisement 14. ☐ Other
07. ☐ Radio Advertisement

11. What were the most important factors that influenced your selection of this product? (check up to 2 responses)

01. ☐ Trust in Panasonic 07. ☐ Ease of Operation
02. ☐ Quality 08. ☐ Salesperson's Recommendation
03. ☐ Features 09. ☐ Friend/Family Recommendation
04. ☐ Price 10. ☐ Online Research
05. ☐ Size 11. ☐ Warranty
06. ☐ Appearance/Design 12. ☐ Other

12. What were the most important features that influenced your selection of this product? (check up to 3 responses)

01. ☐ Picture Quality 06. ☐ Surround Sound
02. ☐ Plasma display is HD (high definition) 07. ☐ Input Jacks
03. ☐ Plasma display is ED (standard definition) 08. ☐ Picture-in-Picture
04. ☐ Comb Filter 09. ☐ Lighted Remote
05. ☐ Sound Quality 10. ☐ On-screen Menu
11. ☐ Parental Controls
12. ☐ Other

13. Which of the following brands did you seriously consider before selecting Panasonic? (check all that apply)

01. ☐ Did not consider any other brands 09. ☐ Sampo
02. ☐ Apex 10. ☐ Samsung
03. ☐ Hitachi 11. ☐ Sanyo
04. ☐ JVC 12. ☐ Sharp
05. ☐ Mitsubishi 13. ☐ Sony
06. ☐ Philips 14. ☐ Sylvania
07. ☐ Pioneer 15. ☐ Toshiba
08. ☐ RCA 16. ☐ Zenith
17. ☐ Other

14. In what room is this new product located?

1. ☐ Living Room 4. ☐ Master Bedroom
2. ☐ Family Room 5. ☐ Other Bedroom
3. ☐ Home Theater or Media Room 6. ☐ Other

15. Where is this product placed?

1. ☐ On pedestal stand included
2. ☐ On display stand
3. ☐ Wall-hanging bracket

16. What products did you connect to your Plasma TV?

1. ☐ VCR 5. ☐ 5.1 Channel Surround Amplifier
2. ☐ DVD Player
3. ☐ DVD Recorder 6. ☐ PC
4. ☐ Set-top Box 7. ☐ Blue Ray Disk

17. Which types of programs do you watch regularly?

1. ☐ HDTV Programming 4. ☐ News
2. ☐ Sports 5. ☐ Other
3. ☐ Movies

18. Your date of birth:

Month Year

19. Marital status: 1. ☐ Married 2. ☐ Single

20. Not including yourself, what is the GENDER and AGE (in years) of children and other adults living in your household?

- | 1. ☐ Male | 2. ☐ Female | Age | 1. ☐ Male | 2. ☐ Female | Age |
|----------------------------------|------------------------------------|------|----------------------------------|------------------------------------|------|
| 1. ☐ | 2. ☐ | yrs. | 1. ☐ | 2. ☐ | yrs. |
| 1. ☐ | 2. ☐ | yrs. | 1. ☐ | 2. ☐ | yrs. |

21. Occupation: (check all that apply)

- | You | Spouse |
|--|-----------------------------|
| Professional/Technical..... ☐ | 1. ☐ |
| Upper Management/Executive..... ☐ | 2. ☐ |
| Middle Management..... ☐ | 3. ☐ |
| Sales/Marketing..... ☐ | 4. ☐ |
| Clerical/Service Worker..... ☐ | 5. ☐ |
| Tradesman/Machine Operator/Laborer..... ☐ | 6. ☐ |

22. Are you or your spouse

- | You | Spouse |
|---|-----------------------------|
| A Homemaker?..... ☐ | 1. ☐ |
| Retired?..... ☐ | 2. ☐ |
| A Student?..... ☐ | 3. ☐ |
| Self Employed/Business Owner?..... ☐ | 4. ☐ |
| Working from a Home Office?..... ☐ | 5. ☐ |
| In the Military?..... ☐ | 6. ☐ |
| A Federal Employee?..... ☐ | 7. ☐ |

23. Which group describes your annual family income?

- | | |
|--|--|
| 01. ☐ Under \$15,000 | 08. ☐ \$75,000-\$99,999 |
| 02. ☐ \$15,000-\$19,999 | 09. ☐ \$100,000-\$124,999 |
| 03. ☐ \$20,000-\$29,999 | 10. ☐ \$125,000-\$149,999 |
| 04. ☐ \$30,000-\$39,999 | 11. ☐ \$150,000-\$174,999 |
| 05. ☐ \$40,000-\$49,999 | 12. ☐ \$175,000-\$199,999 |
| 06. ☐ \$50,000-\$59,999 | 13. ☐ \$200,000-\$249,999 |
| 07. ☐ \$60,000-\$74,999 | 14. ☐ \$250,000 & over |

24. Level of education: (check highest level completed)

1. ☐ Completed High School 3. ☐ Completed Graduate School
2. ☐ Completed College

25. Which credit cards do you use regularly?

1. ☐ American Express, Diners Club 3. ☐ Dept. Store, Oil Company, etc.
2. ☐ MasterCard, Visa, Discover 4. ☐ Do not use credit cards

26. For your primary residence, do you: 1. ☐ Own? 2. ☐ Rent?

27. Which of the following do you plan to do within the next 6 or 12 months?

- | | 1-6 Months | 7-12 Months |
|--|-----------------------------|-------------|
| Get Married..... ☐ | 1. ☐ | |
| Have a Baby..... ☐ | 2. ☐ | |
| Buy a House..... ☐ | 3. ☐ | |
| Remodel a Home..... ☐ | 4. ☐ | |
| Move to a New Residence..... ☐ | 5. ☐ | |
| Buy a Personal Computer..... ☐ | 6. ☐ | |
| Buy/Lease a New Vehicle..... ☐ | 7. ☐ | |
| Buy/Lease a Used Vehicle..... ☐ | 8. ☐ | |

28. Please check all that apply to your household.

01. ☐ Shop by Catalog/Mail
02. ☐ Member of Frequent Flyer Program
03. ☐ Donate to Charitable Causes
04. ☐ Own a Compact Disc Player
05. ☐ Have a Dog
06. ☐ Have a Cat
07. ☐ Own a Cellular Phone
08. ☐ Subscribe to an Online/Internet Service
09. ☐ Own an IBM or Compatible Computer
10. ☐ Own an Apple/Macintosh Computer
11. ☐ Own a CD-ROM

29. To help us understand our customers' lifestyles, please indicate the interests and activities in which *you or your spouse* enjoy participating on a *regular* basis.

- | | | | |
|--|---|---|--|
| 01. ☐ Bicycling | 14. ☐ Needlework/Knitting/Sewing | 27. ☐ Health/Natural Foods | 40. ☐ Real Estate Investments |
| 02. ☐ Golf | 15. ☐ Flower Gardening | 28. ☐ Photography | 41. ☐ Stocks/Bonds/Mutual Funds |
| 03. ☐ Physical Fitness/Exercise | 16. ☐ Vegetable Gardening | 29. ☐ Attending Cultural/Arts Events | 42. ☐ Entering Sweepstakes |
| 04. ☐ Running/Jogging | 17. ☐ Crafts | 30. ☐ Fashion Clothing | 43. ☐ Casino Gambling |
| 05. ☐ Snow Skiing | 18. ☐ Buy Prerecorded Videos | 31. ☐ Fine Art/Antiques | 44. ☐ Science Fiction |
| 06. ☐ Tennis | 19. ☐ Automotive Work | 32. ☐ Foreign Travel | 45. ☐ Wildlife/Environmental Issues |
| 07. ☐ Camping/Hiking | 20. ☐ Electronics | 33. ☐ Cruise Ship Vacations | 46. ☐ Dieting/Weight Control |
| 08. ☐ Fishing | 21. ☐ Home Workshop/Do-It-Yourself | 34. ☐ Travel in USA | 47. ☐ Science/New Technology |
| 09. ☐ Hunting/Shooting | 22. ☐ Recreation Vehicles | 35. ☐ Gourmet Cooking/Fine Foods | 48. ☐ Self-Improvement |
| 10. ☐ Horseback Riding | 23. ☐ Listen to Records/Tapes/CDs | 36. ☐ Wines | 49. ☐ Walking for Health |
| 11. ☐ Powerboating | 24. ☐ Surf the Internet | 37. ☐ Coin/Stamp Collecting | 50. ☐ Watching Sports on TV |
| 12. ☐ Sailing | 25. ☐ Avid Book Reading | 38. ☐ Collectibles/Collections | 51. ☐ Home Video Recording |
| 13. ☐ Grandchildren | 26. ☐ Bible/Devotional Reading | 39. ☐ Our Nation's Heritage | 52. ☐ Moneymaking Opportunities |

30. Using the numbers in the above list, please indicate your 3 most important activities:

Thanks for taking the time to fill out this questionnaire. Your answers will be used for market research studies and reports. They will also allow you to receive important mailings and special offers from a number of fine companies whose products and services relate directly to the specific interests, hobbies, and other information indicated above. Through this selective program, you will be able to obtain more information about activities in which you are involved and less about those in which you are not. Please check here if, for some reason, you would prefer *not* to participate in this opportunity. ☐

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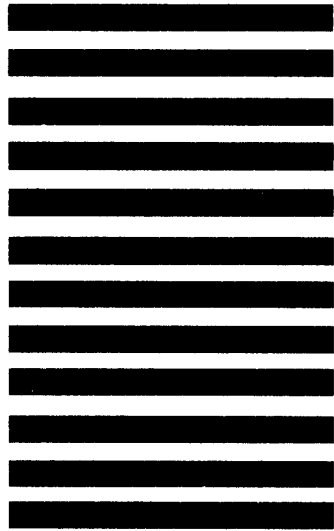
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